

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN100522\  
 Data File : VN074735.D  
 Acq On : 05 Oct 2022 11:32  
 Operator : JC\MD  
 Sample : VSTDICC001  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDICC001

Quant Time: Oct 06 04:37:55 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N100522W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Oct 06 04:37:19 2022  
 Response via : Initial Calibration

| Compound                     | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|------------------------------|--------|-------|----------|----------|--------|----------|
| -----                        |        |       |          |          |        |          |
| Internal Standards           |        |       |          |          |        |          |
| 1) Pentafluorobenzene        | 8.230  | 168   | 317518   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 9.106  | 114   | 597203   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.871 | 117   | 593667   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.794 | 152   | 281274   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds  |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.583  | 65    | 8259     | 1.098    | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 74 - 125 | Recovery | =      | 2.200%#  |
| 35) Dibromofluoromethane     | 8.165  | 113   | 6496     | 1.063    | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 75 - 124 | Recovery | =      | 2.120%#  |
| 50) Toluene-d8               | 10.571 | 98    | 27576    | 1.065    | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 86 - 113 | Recovery | =      | 2.140%#  |
| 62) 4-Bromofluorobenzene     | 12.853 | 95    | 9118     | 1.159    | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 83 - 123 | Recovery | =      | 2.320%#  |
| Target Compounds             |        |       |          |          |        |          |
|                              |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane   | 2.148  | 85    | 5666     | 0.870    | ug/l   | 94       |
| 3) Chloromethane             | 2.383  | 50    | 11749    | 1.213    | ug/l   | 91       |
| 4) Vinyl Chloride            | 2.530  | 62    | 13439    | 1.121    | ug/l # | 69       |
| 5) Bromomethane              | 2.959  | 94    | 11995    | 1.419    | ug/l   | 91       |
| 6) Chloroethane              | 2.842  | 64    | 37057    | 4.157    | ug/l # | 43       |
| 7) Trichlorofluoromethane    | 3.501  | 101   | 5287     | 0.556    | ug/l # | 67       |
| 8) Diethyl Ether             | 3.989  | 74    | 5986     | 1.214    | ug/l   | 99       |
| 9) 1,1,2-Trichlorotrifluo... | 4.383  | 101   | 3066     | 0.530    | ug/l   | 92       |
| 10) Methyl Iodide            | 4.606  | 142   | 7119     | 1.014    | ug/l # | 78       |
| 11) Tert butyl alcohol       | 5.548  | 59    | 25226    | 10.117   | ug/l # | 86       |
| 12) 1,1-Dichloroethene       | 4.359  | 96    | 4879     | 0.789    | ug/l # | 44       |
| 13) Acrolein                 | 4.218  | 56    | 7478     | 9.996    | ug/l # | 69       |
| 14) Allyl chloride           | 5.030  | 41    | 4623     | 0.359    | ug/l # | 39       |
| 15) Acrylonitrile            | 5.748  | 53    | 28140    | 5.120    | ug/l # | 57       |
| 16) Acetone                  | 4.465  | 43    | 23179    | 5.437    | ug/l # | 82       |
| 17) Carbon Disulfide         | 4.730  | 76    | 18027    | 1.070    | ug/l # | 91       |
| 18) Methyl Acetate           | 5.053  | 43    | 18186    | 1.152    | ug/l # | 76       |
| 19) Methyl tert-butyl Ether  | 5.824  | 73    | 24973    | 1.042    | ug/l # | 76       |
| 20) Methylene Chloride       | 5.283  | 84    | 4200     | 0.533    | ug/l # | 85       |
| 21) trans-1,2-Dichloroethene | 5.806  | 96    | 5663     | 0.830    | ug/l # | 43       |
| 22) Diisopropyl ether        | 6.683  | 45    | 15375    | 0.576    | ug/l # | 48       |
| 23) Vinyl Acetate            | 6.630  | 43    | 110390   | 4.996    | ug/l   | 97       |
| 24) 1,1-Dichloroethane       | 6.583  | 63    | 14563    | 1.050    | ug/l # | 95       |
| 25) 2-Butanone               | 7.512  | 43    | 41569    | 5.372    | ug/l # | 89       |
| 26) 2,2-Dichloropropane      | 7.500  | 77    | 12904    | 1.128    | ug/l   | 88       |
| 27) cis-1,2-Dichloroethene   | 7.512  | 96    | 8089     | 1.031    | ug/l # | 1        |
| 28) Bromochloromethane       | 7.824  | 49    | 5960     | 0.952    | ug/l   | 88       |
| 29) Tetrahydrofuran          | 7.859  | 42    | 29004    | 5.378    | ug/l   | 98       |
| 30) Chloroform               | 7.977  | 83    | 13202    | 1.039    | ug/l   | 95       |
| 31) Cyclohexane              | 8.247  | 56    | 15732    | 1.210    | ug/l # | 77       |
| 32) 1,1,1-Trichloroethane    | 8.177  | 97    | 10819    | 0.999    | ug/l # | 43       |
| 36) 1,1-Dichloropropene      | 8.377  | 75    | 6091     | 0.623    | ug/l # | 69       |
| 37) Ethyl Acetate            | 7.512  | 43    | 41569    | 1.025    | ug/l # | 86       |
| 38) Carbon Tetrachloride     | 8.365  | 117   | 9824     | 1.067    | ug/l # | 88       |
| 39) Methylcyclohexane        | 9.612  | 83    | 12646    | 1.000    | ug/l # | 89       |
| 40) Benzene                  | 8.612  | 78    | 32163    | 1.017    | ug/l   | 93       |

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 Acq On : 05 Oct 2022 11:32  
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 Sample : VSTDICC001  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDICC001

Quant Time: Oct 06 04:37:55 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N100522W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Oct 06 04:37:19 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 41) Methacrylonitrile         | 7.812  | 41   | 8510     | 1.103  | ug/l # | 76       |
| 42) 1,2-Dichloroethane        | 8.671  | 62   | 10689    | 1.077  | ug/l   | 93       |
| 43) Isopropyl Acetate         | 8.700  | 43   | 24793    | 1.024  | ug/l   | 97       |
| 44) Trichloroethene           | 9.359  | 130  | 6945     | 1.055  | ug/l   | 72       |
| 45) 1,2-Dichloropropane       | 9.636  | 63   | 8058     | 0.941  | ug/l # | 54       |
| 46) Dibromomethane            | 9.718  | 93   | 4133     | 0.823  | ug/l # | 67       |
| 47) Bromodichloromethane      | 9.894  | 83   | 9923     | 0.967  | ug/l   | 93       |
| 48) Methyl methacrylate       | 9.612  | 41   | 8815     | 0.887  | ug/l # | 77       |
| 49) 1,4-Dioxane               | 9.706  | 88   | 4491     | 20.849 | ug/l # | 95       |
| 51) 4-Methyl-2-Pentanone      | 10.447 | 43   | 77675    | 4.983  | ug/l   | 99       |
| 52) Toluene                   | 10.635 | 92   | 17536    | 0.923  | ug/l   | 88       |
| 53) t-1,3-Dichloropropene     | 10.835 | 75   | 12201    | 0.998  | ug/l # | 87       |
| 54) cis-1,3-Dichloropropene   | 10.312 | 75   | 13461    | 1.020  | ug/l # | 82       |
| 55) 1,1,2-Trichloroethane     | 11.018 | 97   | 7398     | 0.969  | ug/l   | 91       |
| 56) Ethyl methacrylate        | 10.877 | 69   | 14128    | 1.016  | ug/l   | 89       |
| 57) 1,3-Dichloropropane       | 11.165 | 76   | 13934    | 1.012  | ug/l   | 93       |
| 58) 2-Chloroethyl Vinyl ether | 10.159 | 63   | 24253    | 4.834  | ug/l   | 96       |
| 59) 2-Hexanone                | 11.200 | 43   | 57798    | 4.902  | ug/l   | 98       |
| 60) Dibromochloromethane      | 11.353 | 129  | 7134     | 0.948  | ug/l   | 91       |
| 61) 1,2-Dibromoethane         | 11.477 | 107  | 8346     | 1.075  | ug/l   | 97       |
| 64) Tetrachloroethene         | 11.100 | 164  | 5497     | 1.141  | ug/l   | 87       |
| 65) Chlorobenzene             | 11.894 | 112  | 18161    | 0.999  | ug/l   | 90       |
| 66) 1,1,1,2-Tetrachloroethane | 11.959 | 131  | 7688     | 1.158  | ug/l # | 58       |
| 67) Ethyl Benzene             | 11.965 | 91   | 33569    | 0.990  | ug/l   | 98       |
| 68) m/p-Xylenes               | 12.071 | 106  | 22047    | 1.732  | ug/l   | 98       |
| 69) o-Xylene                  | 12.400 | 106  | 12113    | 0.928  | ug/l   | 100      |
| 70) Styrene                   | 12.412 | 104  | 17571    | 0.854  | ug/l # | 89       |
| 71) Bromoform                 | 12.582 | 173  | 5093     | 1.005  | ug/l # | 97       |
| 73) Isopropylbenzene          | 12.694 | 105  | 27734    | 1.025  | ug/l   | 99       |
| 74) N-amyl acetate            | 12.494 | 43   | 20584    | 1.258  | ug/l   | 98       |
| 75) 1,1,2,2-Tetrachloroethane | 12.941 | 83   | 13525    | 1.263  | ug/l   | 90       |
| 76) 1,2,3-Trichloropropane    | 13.000 | 75   | 6851     | 0.784  | ug/l # | 1        |
| 77) Bromobenzene              | 12.982 | 156  | 7287     | 1.303  | ug/l   | 94       |
| 78) n-propylbenzene           | 13.041 | 91   | 31728    | 1.017  | ug/l   | 96       |
| 79) 2-Chlorotoluene           | 13.129 | 91   | 21840    | 1.155  | ug/l   | 94       |
| 80) 1,3,5-Trimethylbenzene    | 13.176 | 105  | 19743    | 0.915  | ug/l   | 86       |
| 81) trans-1,4-Dichloro-2-b... | 12.729 | 75   | 4813     | 1.117  | ug/l # | 80       |
| 82) 4-Chlorotoluene           | 13.224 | 91   | 18365    | 1.048  | ug/l   | 93       |
| 83) tert-Butylbenzene         | 13.441 | 119  | 17620    | 0.945  | ug/l   | 87       |
| 84) 1,2,4-Trimethylbenzene    | 13.482 | 105  | 21588    | 0.989  | ug/l   | 93       |
| 85) sec-Butylbenzene          | 13.618 | 105  | 25549    | 0.943  | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 13.735 | 119  | 18512    | 0.885  | ug/l   | 89       |
| 87) 1,3-Dichlorobenzene       | 13.729 | 146  | 12881    | 1.200  | ug/l   | 88       |
| 88) 1,4-Dichlorobenzene       | 13.729 | 146  | 12881    | 1.270  | ug/l   | 88       |
| 89) n-Butylbenzene            | 14.059 | 91   | 17737    | 0.962  | ug/l   | 95       |
| 90) Hexachloroethane          | 14.335 | 117  | 5656     | 1.209  | ug/l   | 94       |
| 91) 1,2-Dichlorobenzene       | 14.112 | 146  | 10637    | 1.029  | ug/l   | 89       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.718 | 75   | 3661     | 1.621  | ug/l   | 93       |
| 93) 1,2,4-Trichlorobenzene    | 15.382 | 180  | 4636     | 1.025  | ug/l   | 92       |
| 94) Hexachlorobutadiene       | 15.506 | 225  | 2243     | 1.060  | ug/l   | 91       |
| 95) Naphthalene               | 15.641 | 128  | 18382    | 0.940  | ug/l # | 88       |
| 96) 1,2,3-Trichlorobenzene    | 15.841 | 180  | 6602     | 1.359  | ug/l   | 80       |

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Operator : JC\MD  
Sample : VSTDICC001  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC001

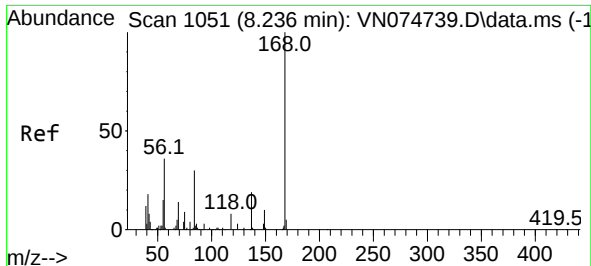
Quant Time: Oct 06 04:37:55 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N100522W.M  
Quant Title : SW846 8260  
QLast Update : Thu Oct 06 04:37:19 2022  
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------|------|------|----------|------|-------|----------|
|----------|------|------|----------|------|-------|----------|

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quant Time: Oct 06 04:37:55 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N100522W.M  
Quant Title : SW846 8260  
QLast Update : Thu Oct 06 04:37:19 2022  
Response via : Initial Calibration

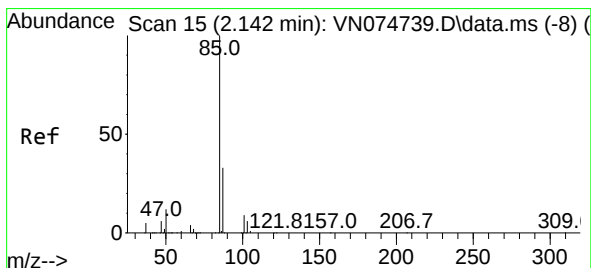
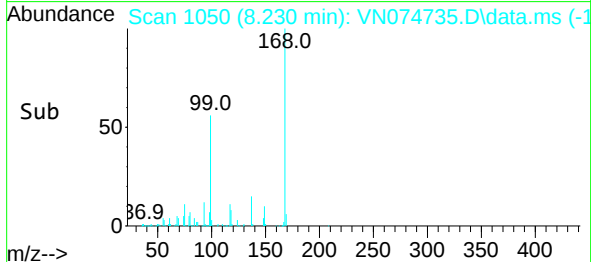
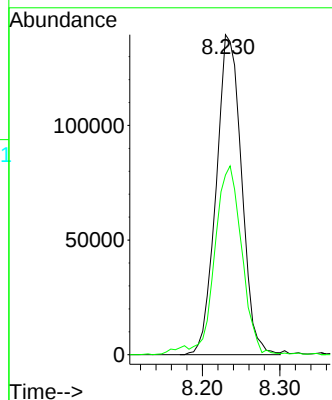
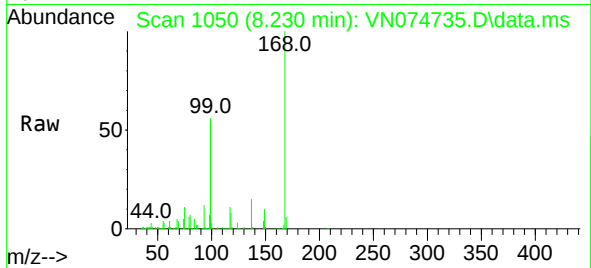




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.230 min Scan# 1050  
Delta R.T. -0.006 min  
Lab File: VN074735.D  
Acq: 05 Oct 2022 11:32

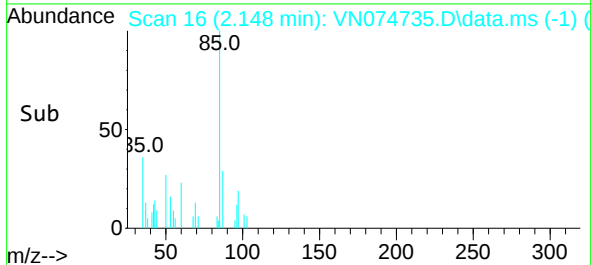
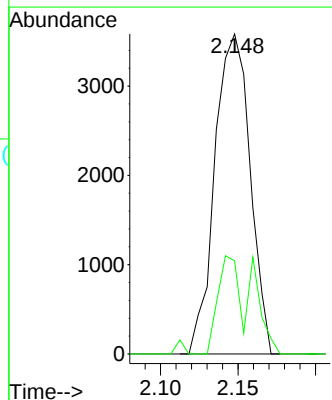
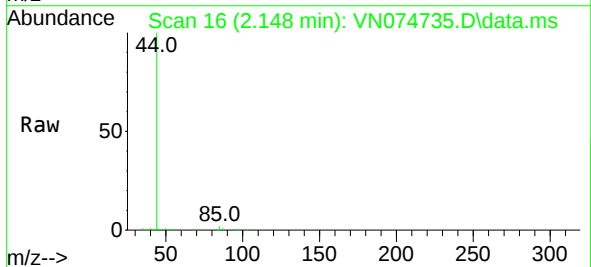
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC001

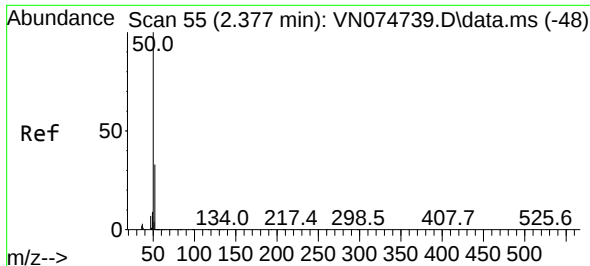
Tgt Ion:168 Resp: 317518  
Ion Ratio Lower Upper  
168 100  
99 55.9 42.8 64.2



#2  
Dichlorodifluoromethane  
Concen: 0.870 ug/l  
RT: 2.148 min Scan# 16  
Delta R.T. 0.006 min  
Lab File: VN074735.D  
Acq: 05 Oct 2022 11:32

Tgt Ion: 85 Resp: 5666  
Ion Ratio Lower Upper  
85 100  
87 29.1 16.3 48.9

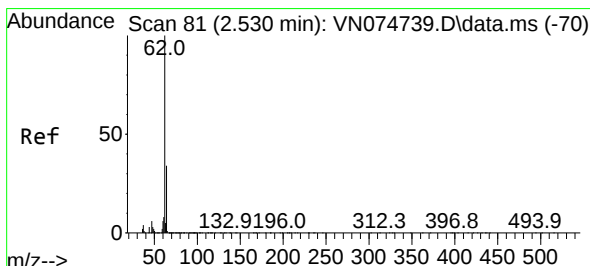
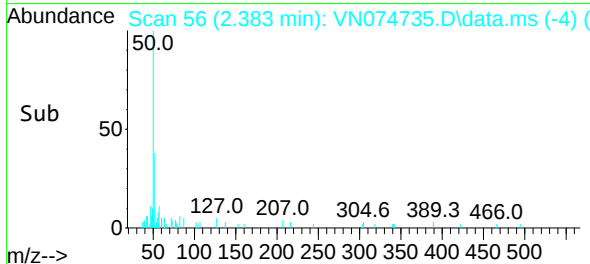
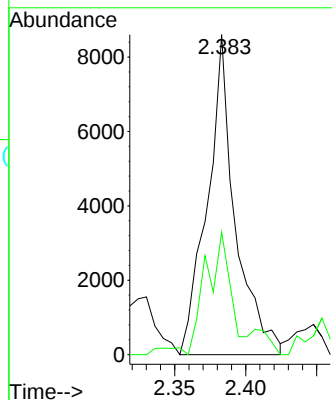
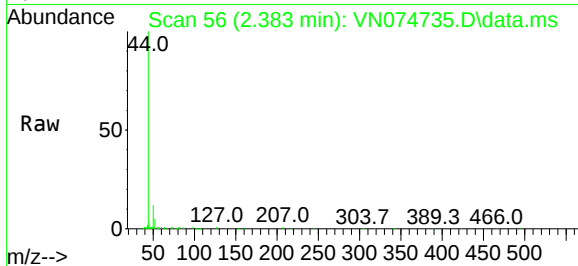




#3  
Chloromethane  
Concen: 1.213 ug/l  
RT: 2.383 min Scan# 50  
Delta R.T. 0.006 min  
Lab File: VN074735.D  
Acq: 05 Oct 2022 11:32

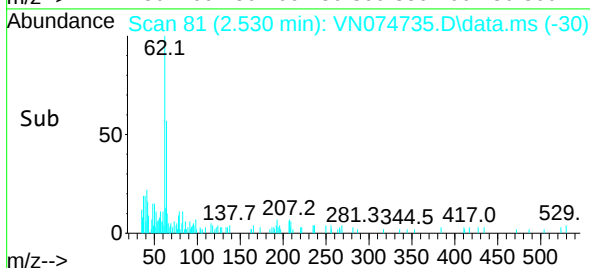
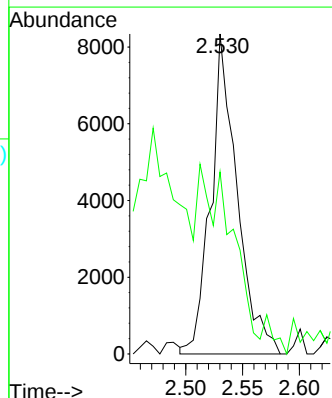
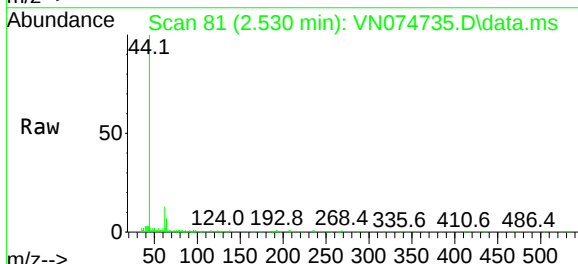
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC001

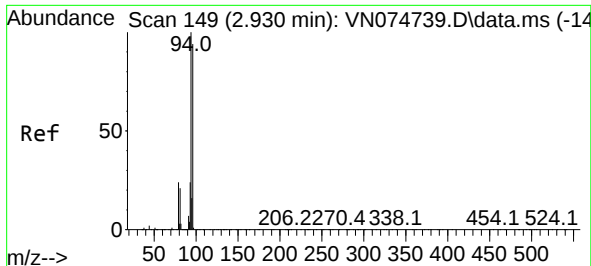
Tgt Ion: 50 Resp: 11749  
Ion Ratio Lower Upper  
50 100  
52 38.3 26.7 40.1



#4  
Vinyl Chloride  
Concen: 1.121 ug/l  
RT: 2.530 min Scan# 81  
Delta R.T. 0.000 min  
Lab File: VN074735.D  
Acq: 05 Oct 2022 11:32

Tgt Ion: 62 Resp: 13439  
Ion Ratio Lower Upper  
62 100  
64 51.9 27.4 41.2#

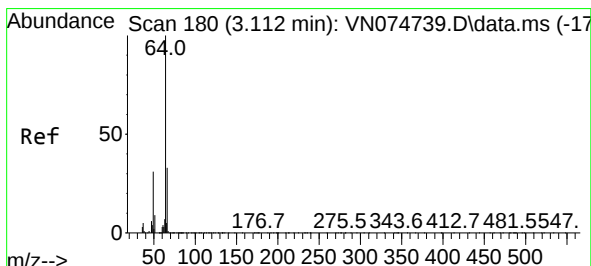
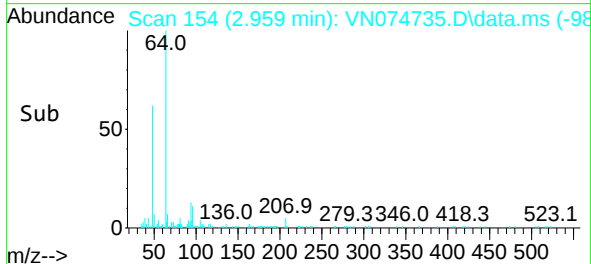
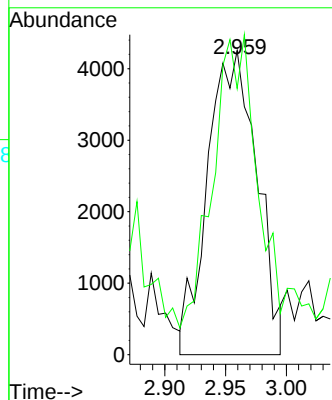
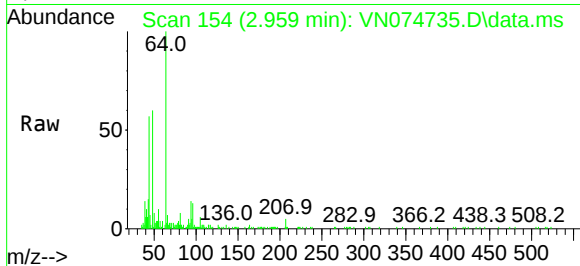




#5  
Bromomethane  
Concen: 1.419 ug/l  
RT: 2.959 min Scan# 11  
Delta R.T. 0.029 min  
Lab File: VN074735.D  
Acq: 05 Oct 2022 11:32

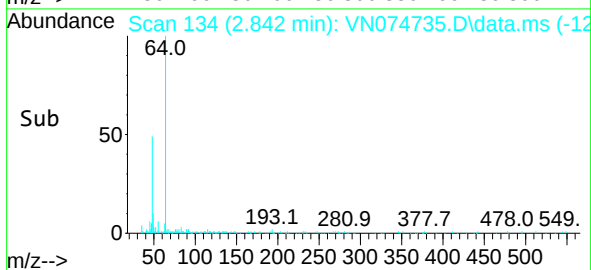
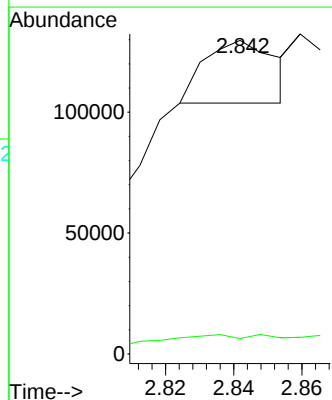
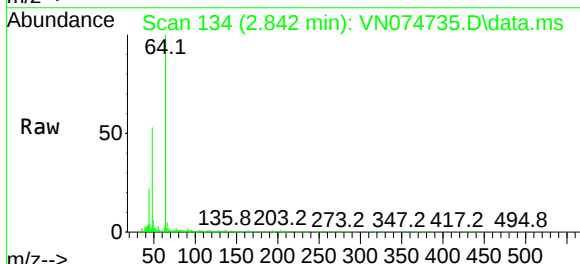
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC001

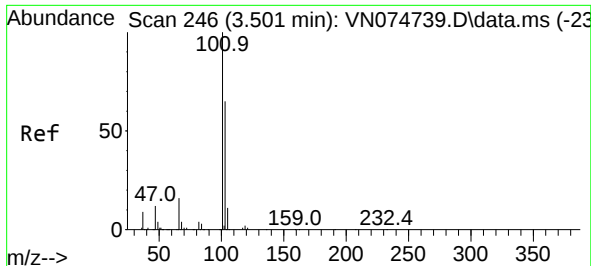
Tgt Ion: 94 Resp: 11995  
Ion Ratio Lower Upper  
94 100  
96 85.3 75.0 112.6



#6  
Chloroethane  
Concen: 4.157 ug/l  
RT: 2.842 min Scan# 134  
Delta R.T. -0.271 min  
Lab File: VN074735.D  
Acq: 05 Oct 2022 11:32

Tgt Ion: 64 Resp: 37057  
Ion Ratio Lower Upper  
64 100  
66 0.0 25.1 37.7#

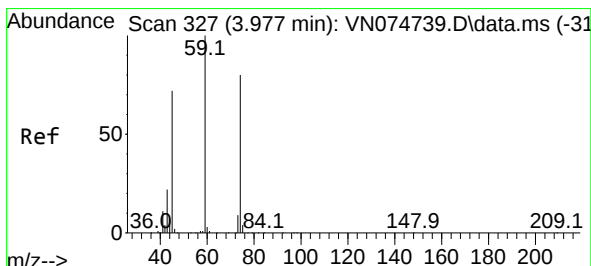
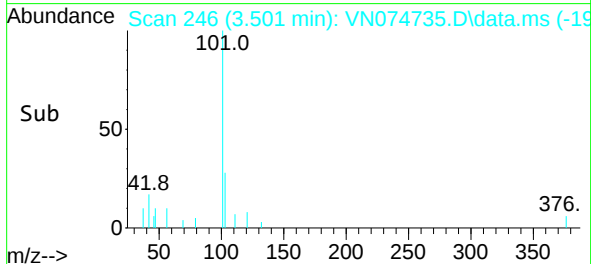
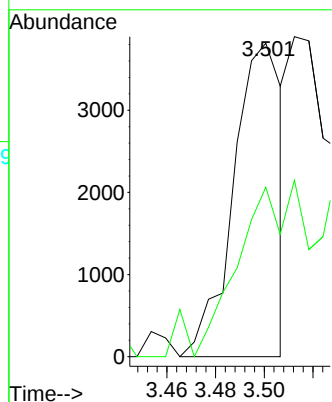
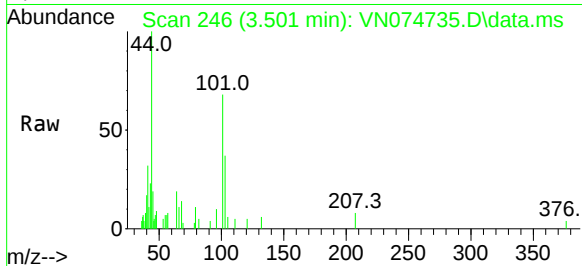




#7  
 Trichlorofluoromethane  
 Concen: 0.556 ug/l  
 RT: 3.501 min Scan# 246  
 Delta R.T. 0.000 min  
 Lab File: VN074735.D  
 Acq: 05 Oct 2022 11:32

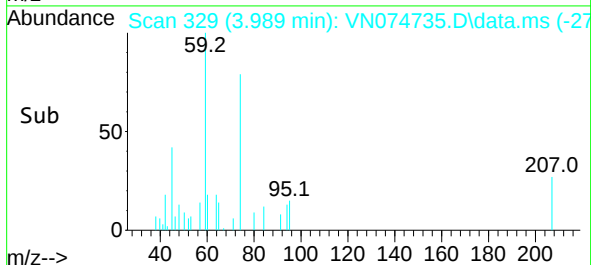
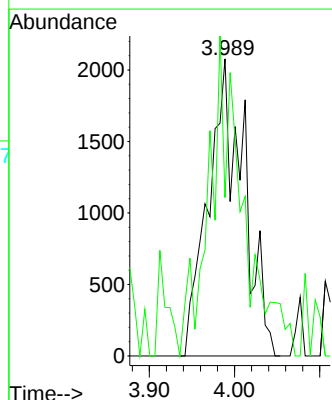
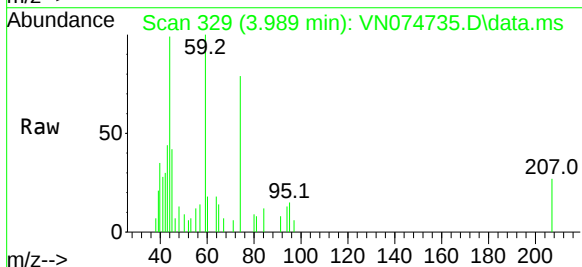
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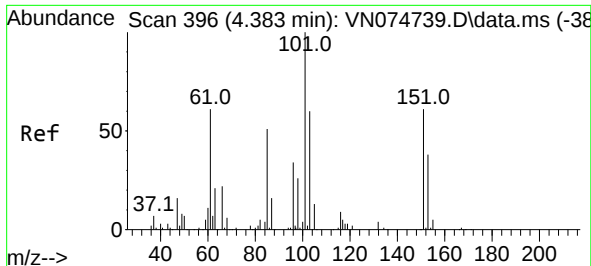
Tgt Ion:101 Resp: 5287  
 Ion Ratio Lower Upper  
 101 100  
 103 39.0 52.0 78.0#



#8  
 Diethyl Ether  
 Concen: 1.214 ug/l  
 RT: 3.989 min Scan# 329  
 Delta R.T. 0.012 min  
 Lab File: VN074735.D  
 Acq: 05 Oct 2022 11:32

Tgt Ion: 74 Resp: 5986  
 Ion Ratio Lower Upper  
 74 100  
 45 95.8 48.2 144.6

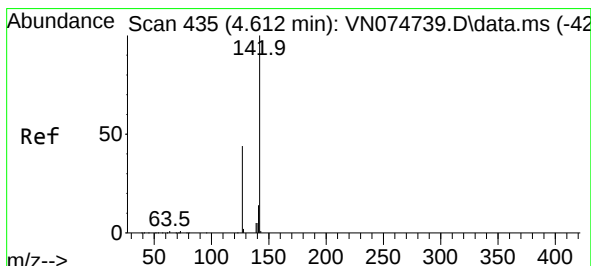
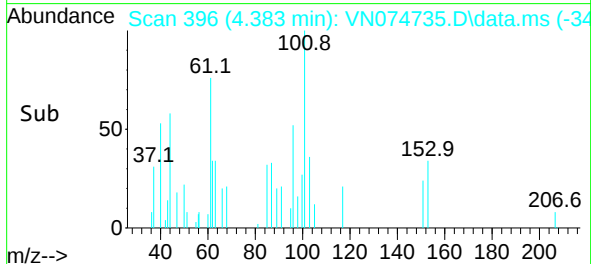
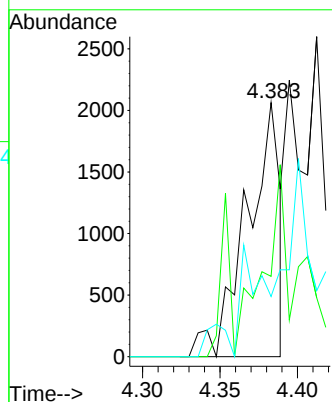
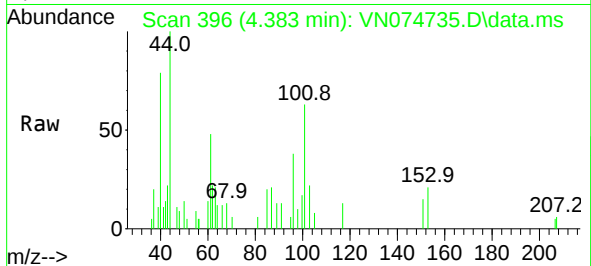




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 0.530 ug/l  
RT: 4.383 min Scan# 396  
Delta R.T. 0.000 min  
Lab File: VN074735.D  
Acq: 05 Oct 2022 11:32

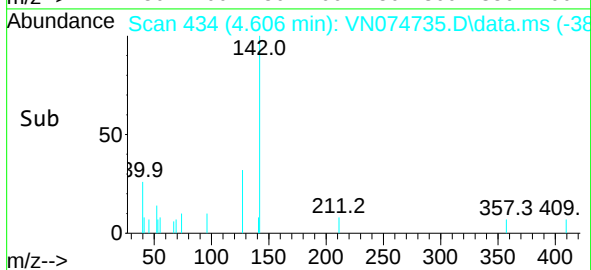
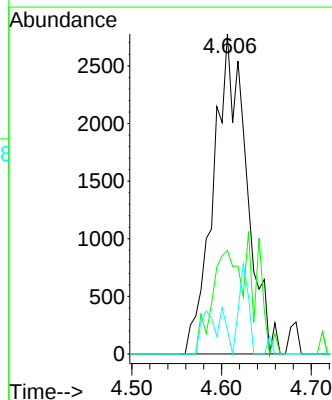
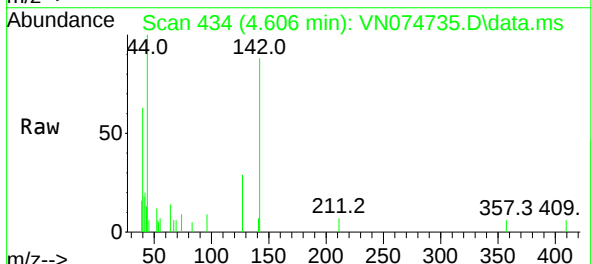
Instrument :  
MSVOA\_N  
ClientSampleId :  
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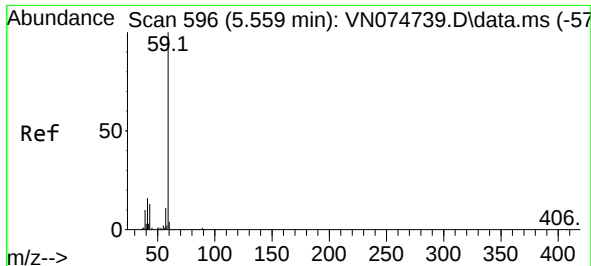
Tgt Ion:101 Resp: 3066  
Ion Ratio Lower Upper  
101 100  
85 45.2 37.4 56.0  
151 58.4 55.0 82.4



#10  
Methyl Iodide  
Concen: 1.014 ug/l  
RT: 4.606 min Scan# 434  
Delta R.T. -0.006 min  
Lab File: VN074735.D  
Acq: 05 Oct 2022 11:32

Tgt Ion:142 Resp: 7119  
Ion Ratio Lower Upper  
142 100  
127 27.2 34.4 51.6#  
141 8.1 11.0 16.6#

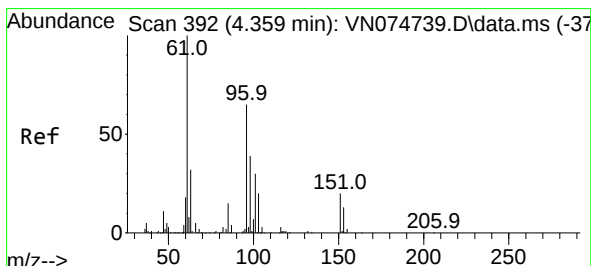
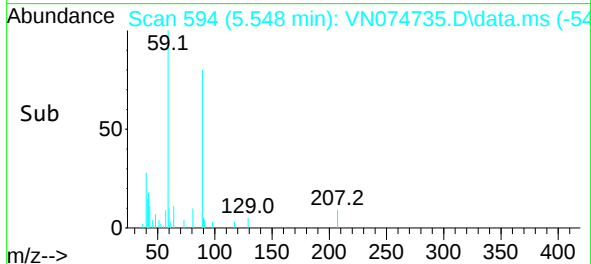
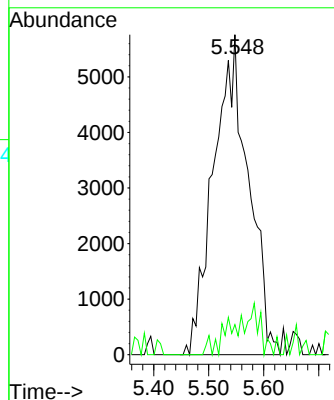
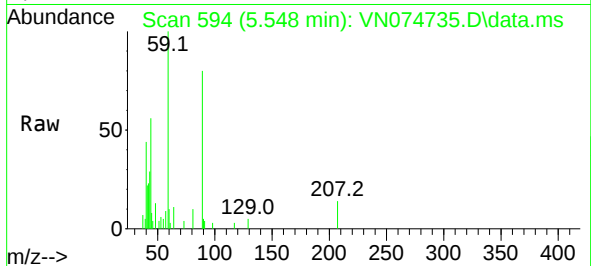




#11  
Tert butyl alcohol  
Concen: 10.117 ug/l  
RT: 5.548 min Scan# 594  
Delta R.T. -0.012 min  
Lab File: VN074735.D  
Acq: 05 Oct 2022 11:32

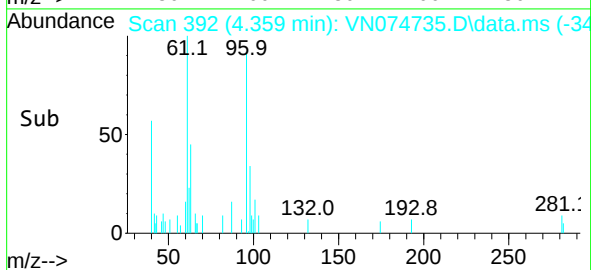
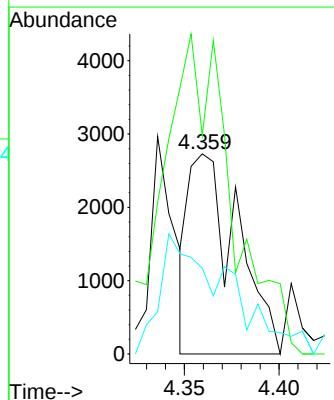
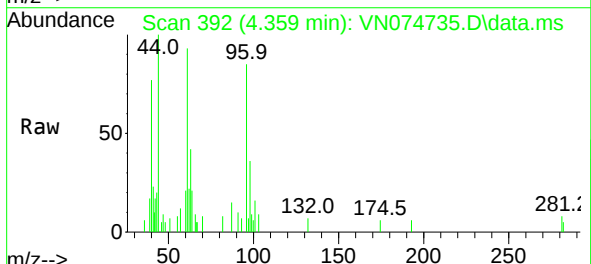
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC001

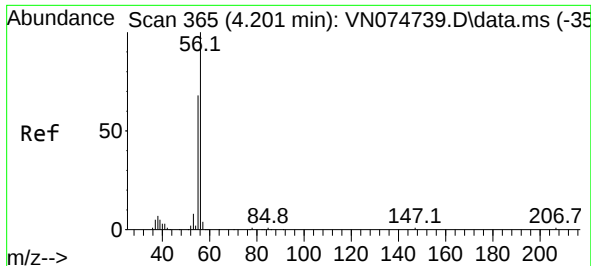
Tgt Ion: 59 Resp: 25226  
Ion Ratio Lower Upper  
59 100  
57 4.4 7.7 11.5#



#12  
1,1-Dichloroethene  
Concen: 0.789 ug/l  
RT: 4.359 min Scan# 392  
Delta R.T. 0.000 min  
Lab File: VN074735.D  
Acq: 05 Oct 2022 11:32

Tgt Ion: 96 Resp: 4879  
Ion Ratio Lower Upper  
96 100  
61 74.0 123.9 185.9#  
98 32.1 48.8 73.2#

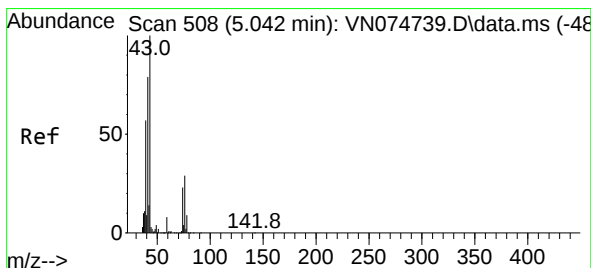
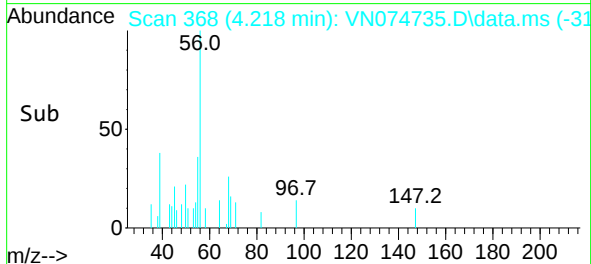
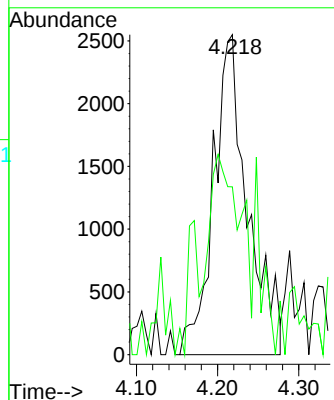
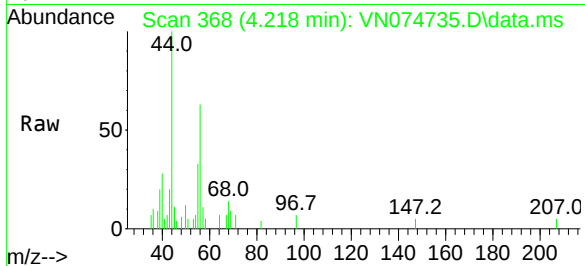




#13  
Acrolein  
Concen: 9.996 ug/l  
RT: 4.218 min Scan# 30  
Delta R.T. 0.018 min  
Lab File: VN074735.D  
Acq: 05 Oct 2022 11:32

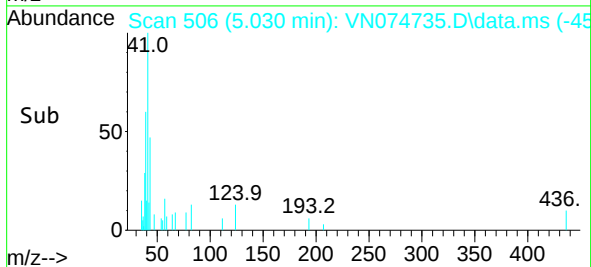
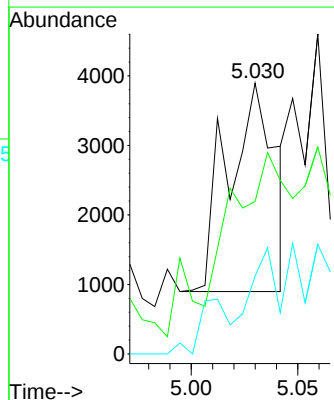
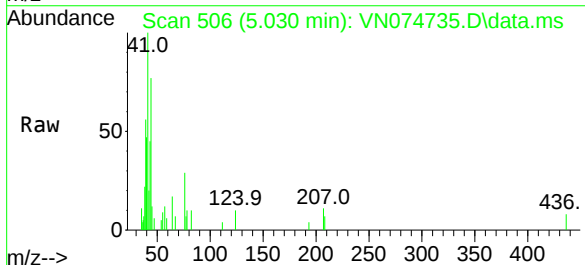
Instrument :  
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ClientSampleId :  
VSTDIC001

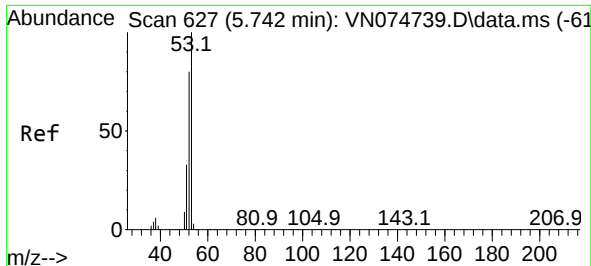
Tgt Ion: 56 Resp: 7478  
Ion Ratio Lower Upper  
56 100  
55 43.5 54.9 82.3#



#14  
Allyl chloride  
Concen: 0.359 ug/l  
RT: 5.030 min Scan# 506  
Delta R.T. -0.012 min  
Lab File: VN074735.D  
Acq: 05 Oct 2022 11:32

Tgt Ion: 41 Resp: 4623  
Ion Ratio Lower Upper  
41 100  
39 123.6 50.2 75.2#  
76 17.3 25.6 38.4#





#15

Acrylonitrile

Concen: 5.120 ug/l

RT: 5.748 min Scan# 61

Delta R.T. 0.006 min

Lab File: VN074735.D

Acq: 05 Oct 2022 11:32

Instrument :

MSVOA\_N

ClientSampleId :

VSTDICC001

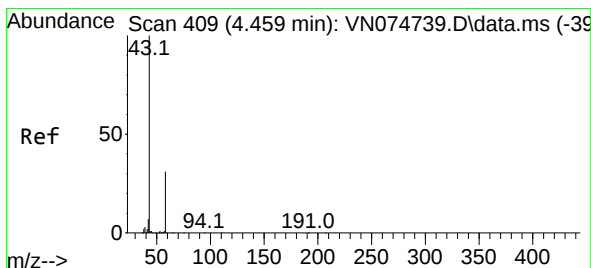
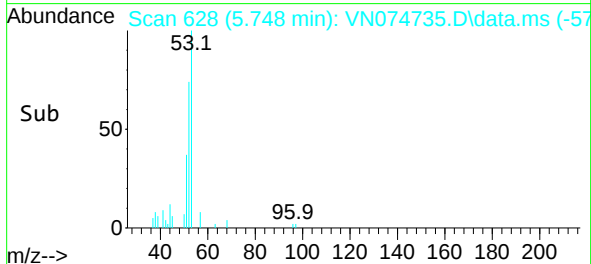
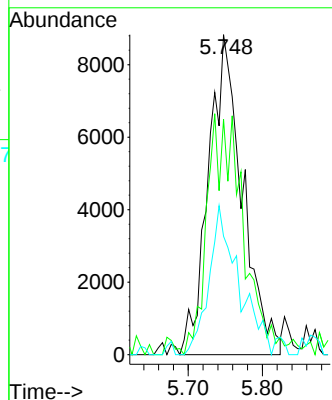
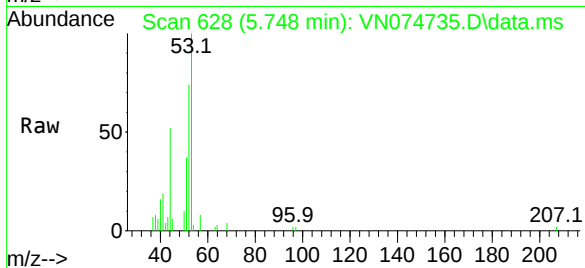
Tgt Ion: 53 Resp: 28140

Ion Ratio Lower Upper

53 100

52 30.1 64.3 96.5#

51 40.6 27.5 41.3



#16

Acetone

Concen: 5.437 ug/l

RT: 4.465 min Scan# 410

Delta R.T. 0.006 min

Lab File: VN074735.D

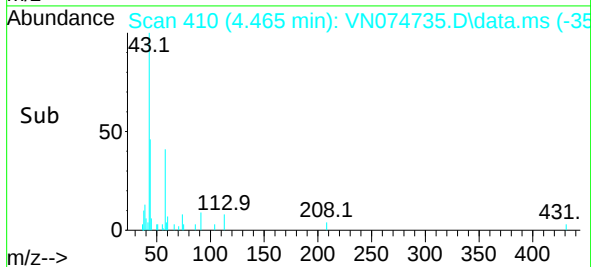
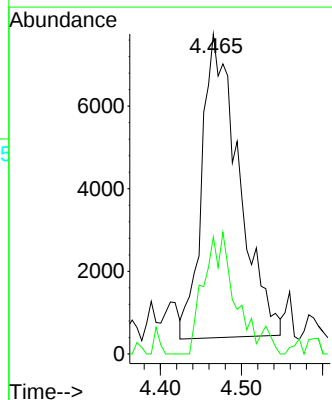
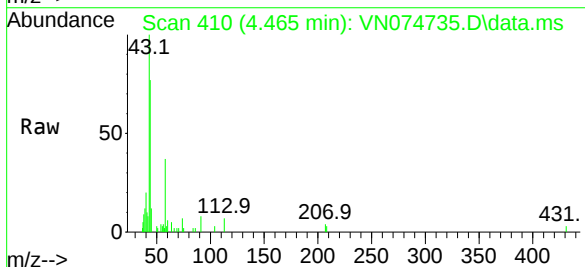
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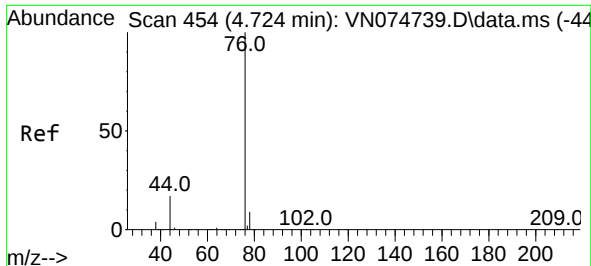
Tgt Ion: 43 Resp: 23179

Ion Ratio Lower Upper

43 100

58 40.9 24.9 37.3#

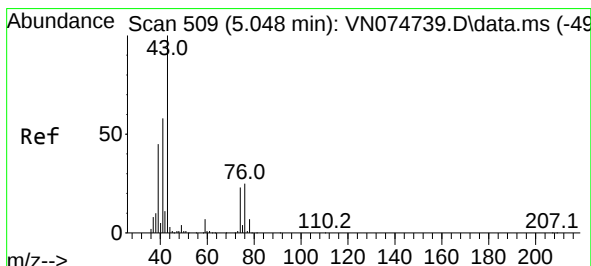
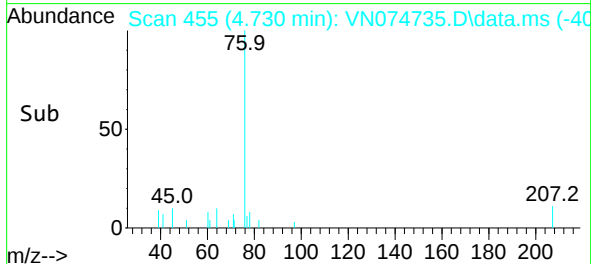
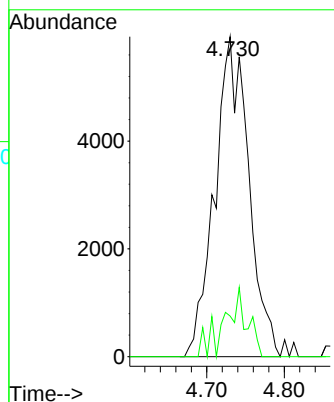
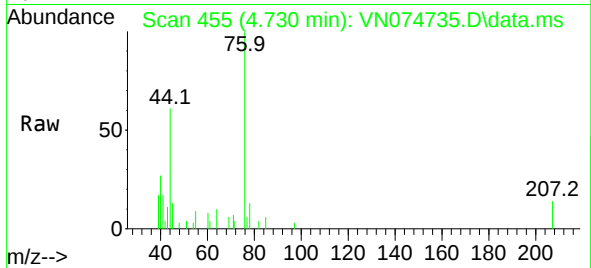




#17  
Carbon Disulfide  
Concen: 1.070 ug/l  
RT: 4.730 min Scan# 41  
Delta R.T. 0.006 min  
Lab File: VN074735.D  
Acq: 05 Oct 2022 11:32

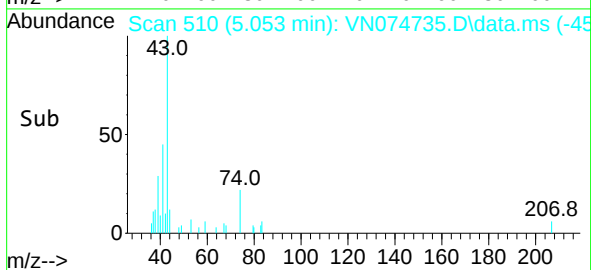
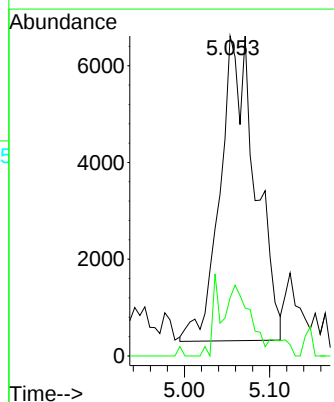
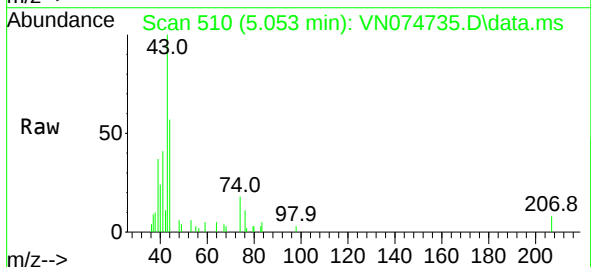
Instrument :  
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ClientSampleId :  
VSTDIC001

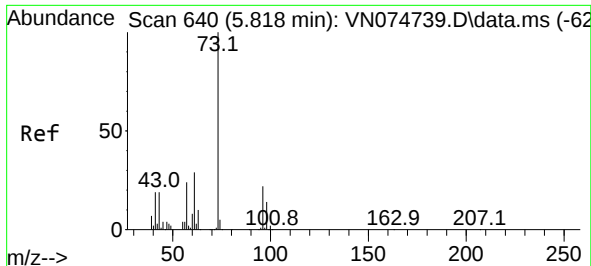
Tgt Ion: 76 Resp: 18027  
Ion Ratio Lower Upper  
76 100  
78 12.7 7.5 11.3#



#18  
Methyl Acetate  
Concen: 1.152 ug/l  
RT: 5.053 min Scan# 510  
Delta R.T. 0.006 min  
Lab File: VN074735.D  
Acq: 05 Oct 2022 11:32

Tgt Ion: 43 Resp: 18186  
Ion Ratio Lower Upper  
43 100  
74 11.4 18.5 27.7#

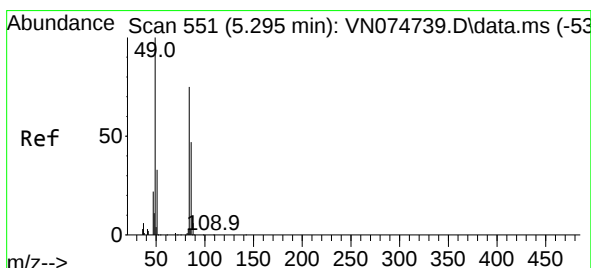
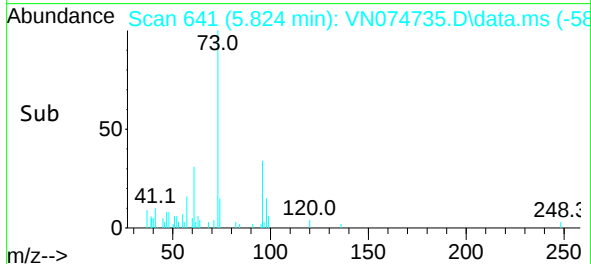
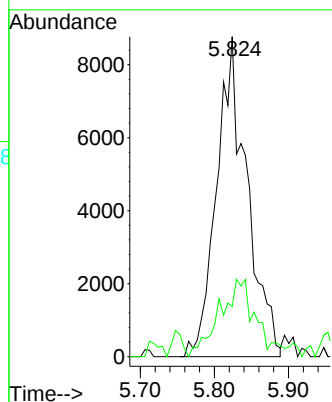
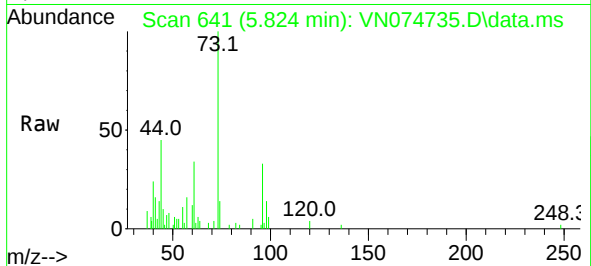




#19  
Methyl tert-butyl Ether  
Concen: 1.042 ug/l  
RT: 5.824 min Scan# 641  
Delta R.T. 0.006 min  
Lab File: VN074735.D  
Acq: 05 Oct 2022 11:32

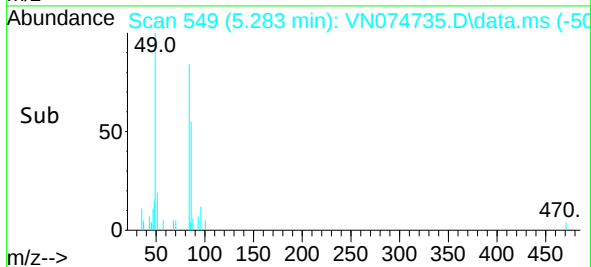
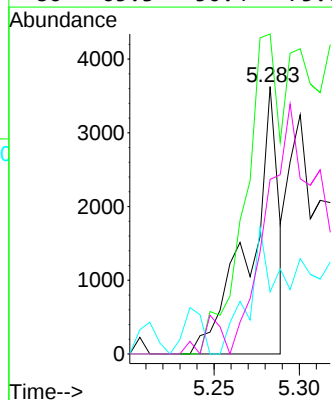
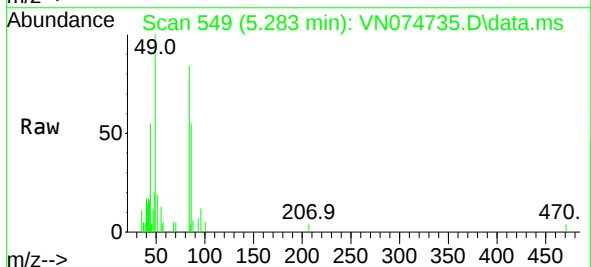
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ClientSampleId :  
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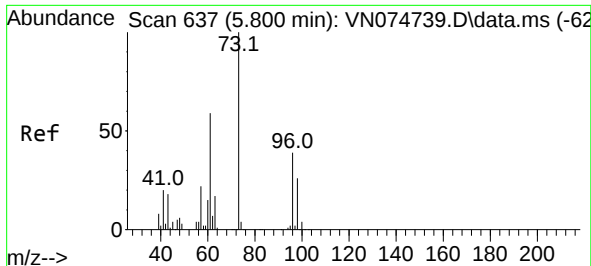
Tgt Ion: 73 Resp: 24973  
Ion Ratio Lower Upper  
73 100  
57 12.1 19.0 28.4#



#20  
Methylene Chloride  
Concen: 0.533 ug/l  
RT: 5.283 min Scan# 549  
Delta R.T. -0.012 min  
Lab File: VN074735.D  
Acq: 05 Oct 2022 11:32

Tgt Ion: 84 Resp: 4200  
Ion Ratio Lower Upper  
84 100  
49 119.7 107.4 161.0  
51 17.8 35.1 52.7#  
86 65.3 50.4 75.6

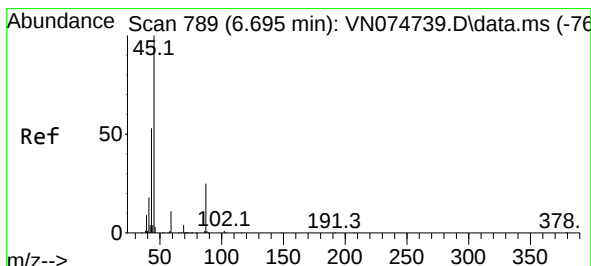
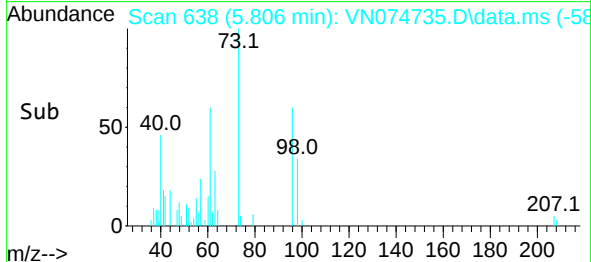
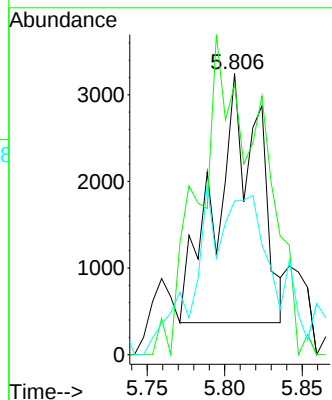
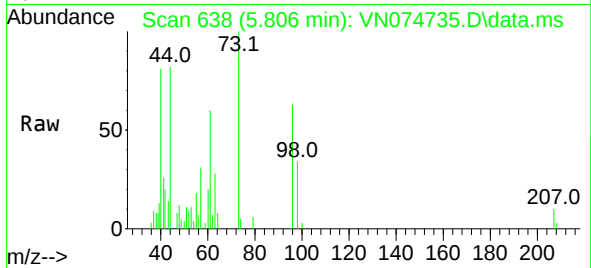




#21  
trans-1,2-Dichloroethene  
Concen: 0.830 ug/l  
RT: 5.806 min Scan# 61  
Delta R.T. 0.006 min  
Lab File: VN074735.D  
Acq: 05 Oct 2022 11:32

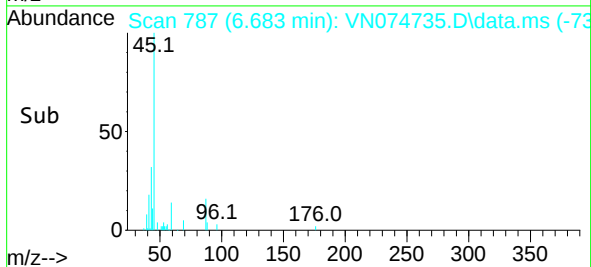
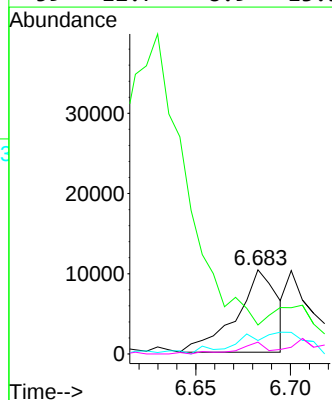
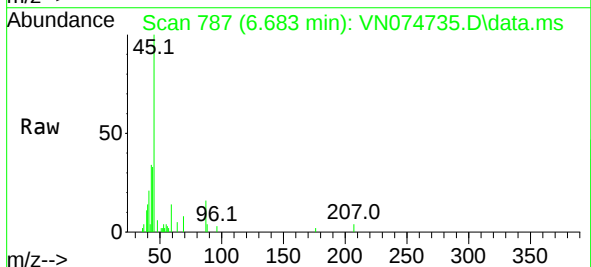
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ClientSampleId :  
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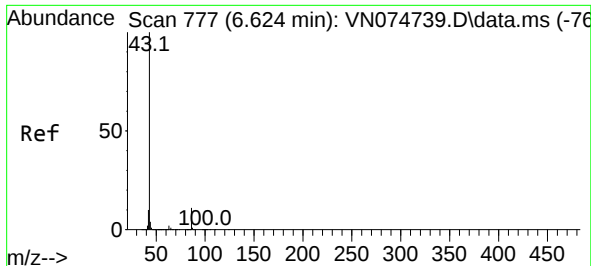
Tgt Ion: 96 Resp: 5663  
Ion Ratio Lower Upper  
96 100  
61 63.8 121.5 182.3#  
98 43.4 53.8 80.8#



#22  
Diisopropyl ether  
Concen: 0.576 ug/l  
RT: 6.683 min Scan# 787  
Delta R.T. -0.012 min  
Lab File: VN074735.D  
Acq: 05 Oct 2022 11:32

Tgt Ion: 45 Resp: 15375  
Ion Ratio Lower Upper  
45 100  
43 0.0 42.7 64.1#  
87 12.4 19.6 29.4#  
59 12.7 8.9 13.3

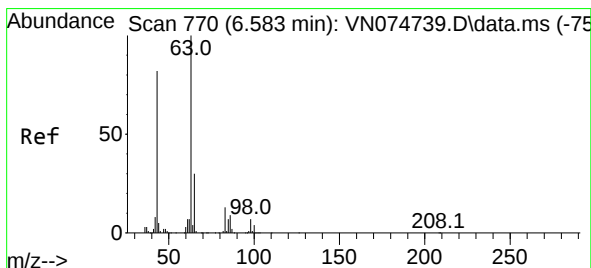
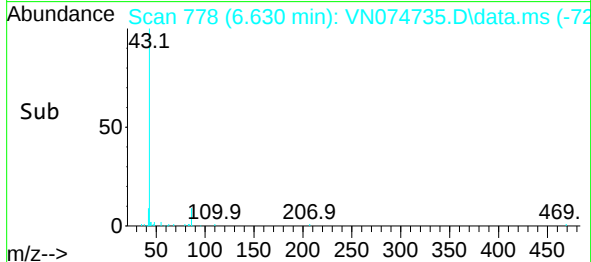
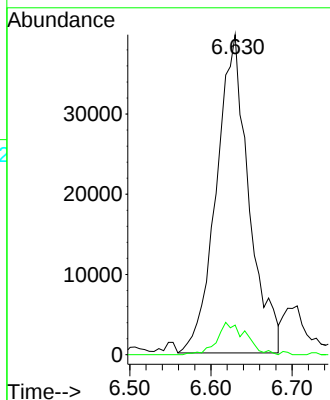
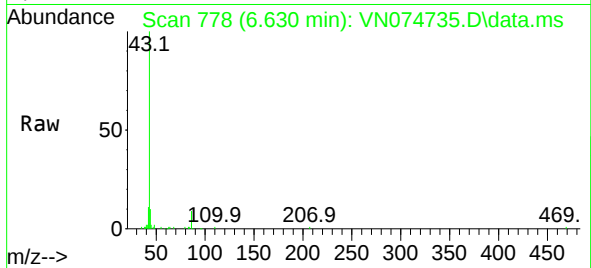




#23  
 Vinyl Acetate  
 Concen: 4.996 ug/l  
 RT: 6.630 min Scan# 777  
 Delta R.T. 0.006 min  
 Lab File: VN074735.D  
 Acq: 05 Oct 2022 11:32

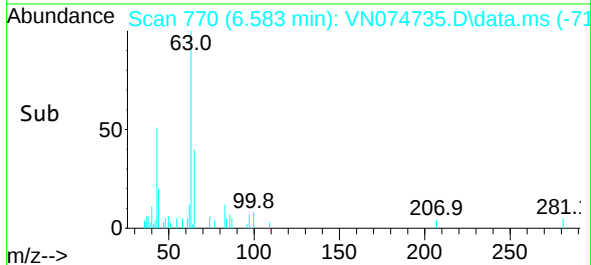
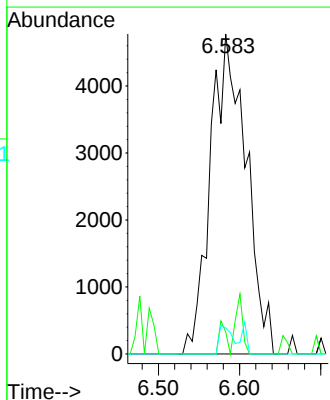
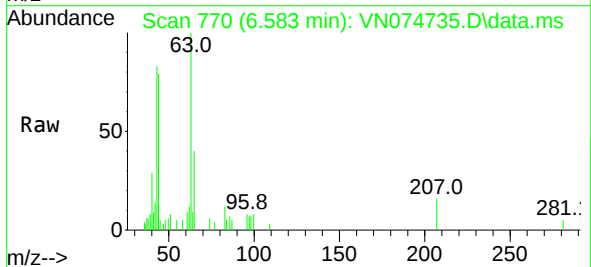
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC001

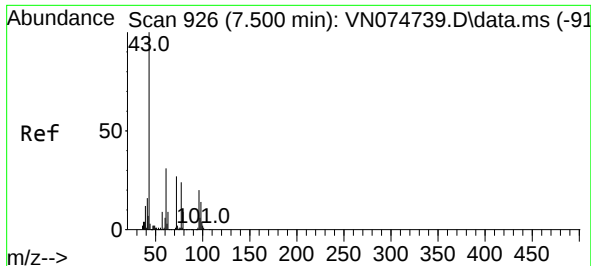
Tgt Ion: 43 Resp: 110390  
 Ion Ratio Lower Upper  
 43 100  
 86 9.3 8.4 12.6



#24  
 1,1-Dichloroethane  
 Concen: 1.050 ug/l  
 RT: 6.583 min Scan# 770  
 Delta R.T. 0.000 min  
 Lab File: VN074735.D  
 Acq: 05 Oct 2022 11:32

Tgt Ion: 63 Resp: 14563  
 Ion Ratio Lower Upper  
 63 100  
 98 6.9 3.5 10.4  
 100 8.1 1.8 5.5#

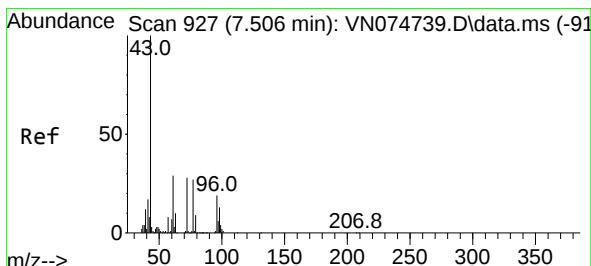
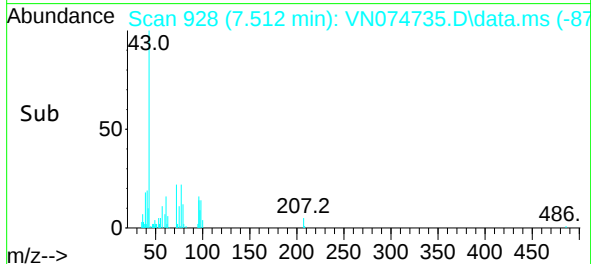
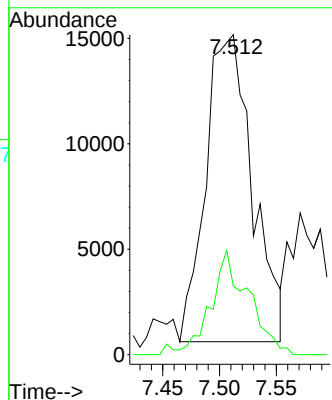
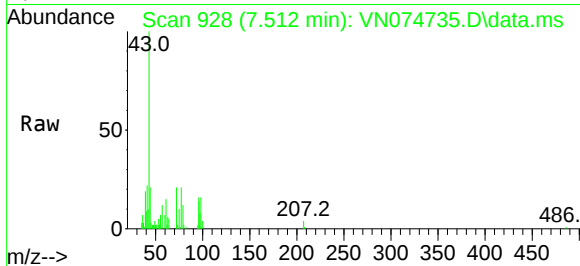




#25  
2-Butanone  
Concen: 5.372 ug/l  
RT: 7.512 min Scan# 91  
Delta R.T. 0.012 min  
Lab File: VN074735.D  
Acq: 05 Oct 2022 11:32

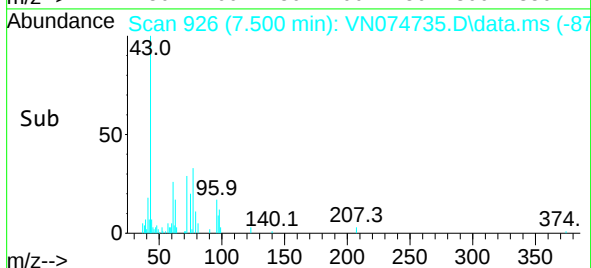
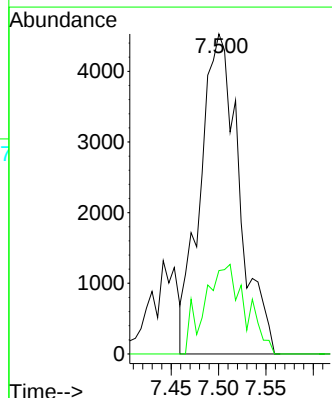
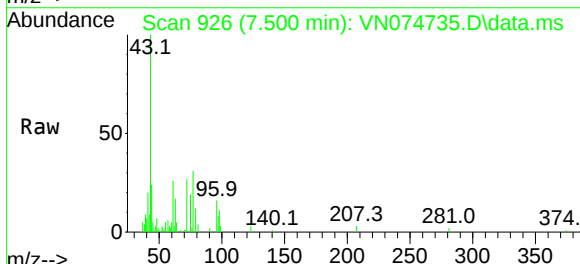
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC001

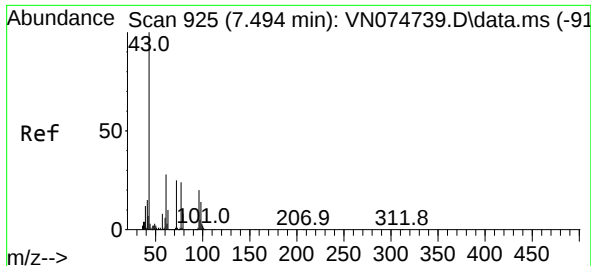
Tgt Ion: 43 Resp: 41569  
Ion Ratio Lower Upper  
43 100  
72 20.8 21.4 32.0#



#26  
2,2-Dichloropropane  
Concen: 1.128 ug/l  
RT: 7.500 min Scan# 926  
Delta R.T. -0.006 min  
Lab File: VN074735.D  
Acq: 05 Oct 2022 11:32

Tgt Ion: 77 Resp: 12904  
Ion Ratio Lower Upper  
77 100  
97 29.4 11.8 35.3

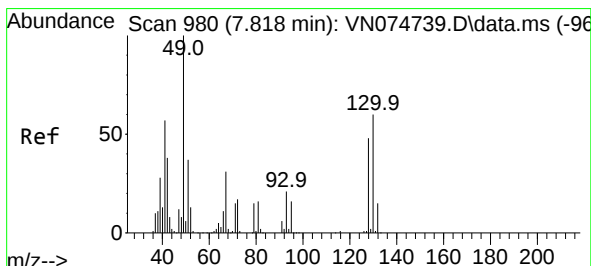
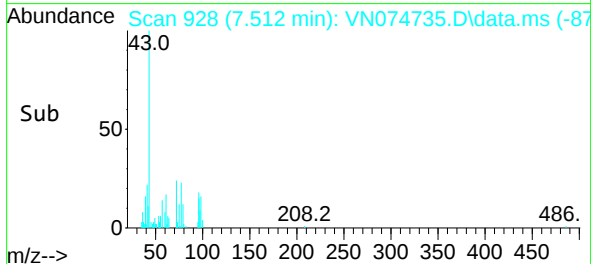
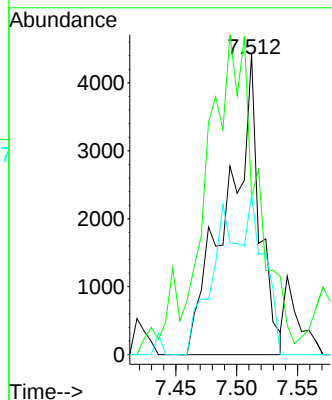
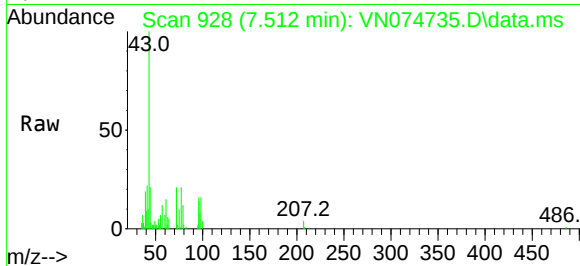




#27  
 cis-1,2-Dichloroethene  
 Concen: 1.031 ug/l  
 RT: 7.512 min Scan# 91  
 Delta R.T. 0.018 min  
 Lab File: VN074735.D  
 Acq: 05 Oct 2022 11:32

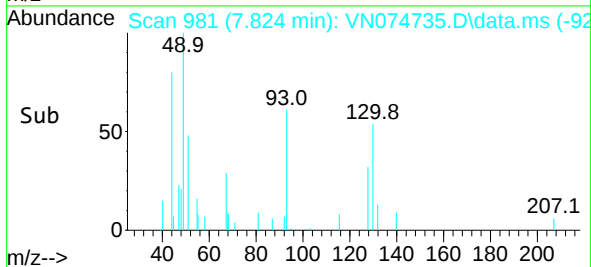
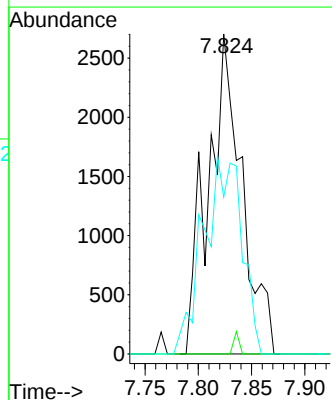
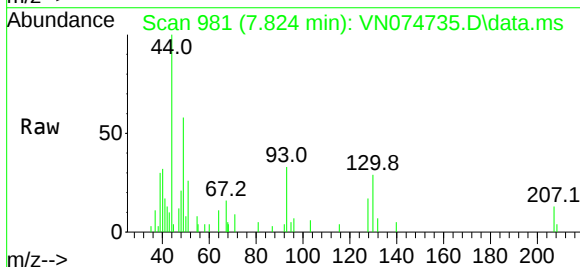
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC001

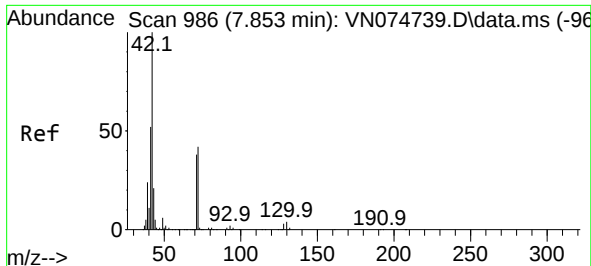
Tgt Ion: 96 Resp: 8089  
 Ion Ratio Lower Upper  
 96 100  
 61 0.0 0.0 303.2  
 98 0.0 0.0 131.0



#28  
 Bromochloromethane  
 Concen: 0.952 ug/l  
 RT: 7.824 min Scan# 981  
 Delta R.T. 0.006 min  
 Lab File: VN074735.D  
 Acq: 05 Oct 2022 11:32

Tgt Ion: 49 Resp: 5960  
 Ion Ratio Lower Upper  
 49 100  
 129 1.1 0.0 3.4  
 130 70.4 49.0 73.4





#29

Tetrahydrofuran

Concen: 5.378 ug/l

RT: 7.859 min Scan# 986

Delta R.T. 0.006 min

Lab File: VN074735.D

Acq: 05 Oct 2022 11:32

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC001

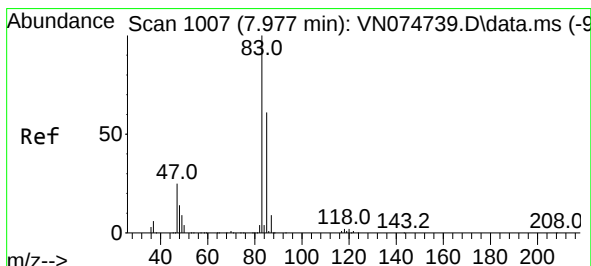
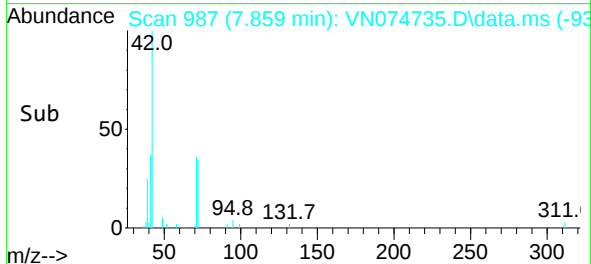
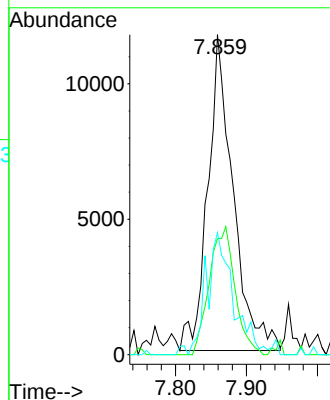
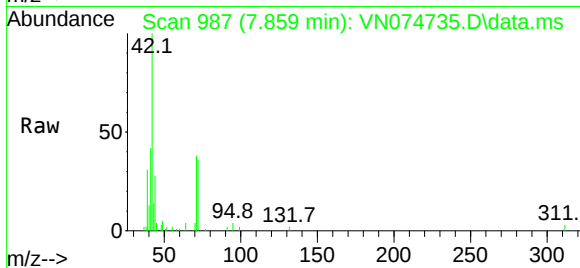
Tgt Ion: 42 Resp: 29004

Ion Ratio Lower Upper

42 100

72 40.9 33.0 49.6

71 40.6 30.4 45.6



#30

Chloroform

Concen: 1.039 ug/l

RT: 7.977 min Scan# 1007

Delta R.T. 0.000 min

Lab File: VN074735.D

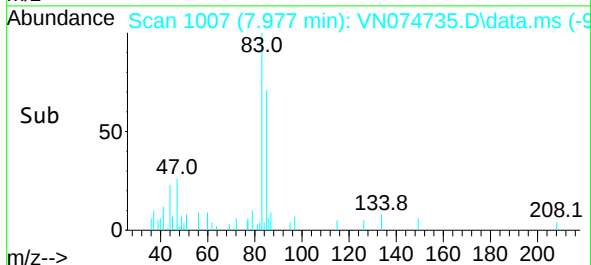
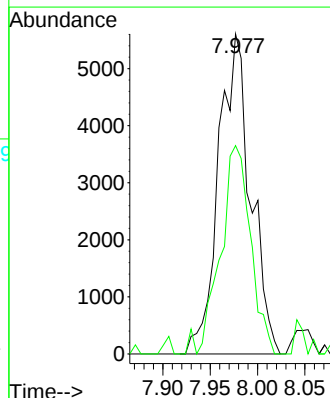
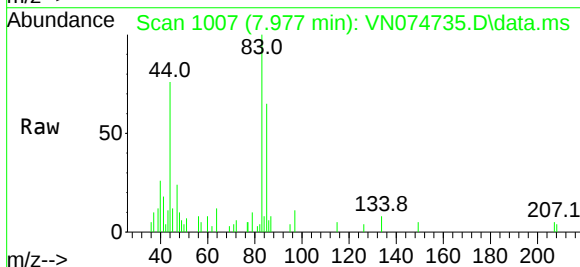
Acq: 05 Oct 2022 11:32

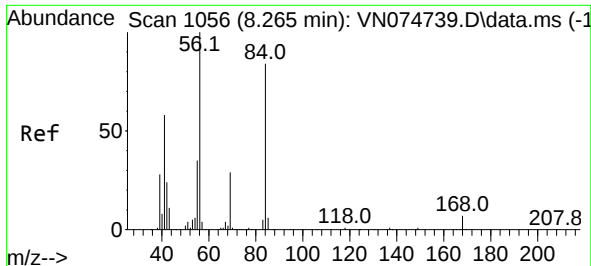
Tgt Ion: 83 Resp: 13202

Ion Ratio Lower Upper

83 100

85 65.1 49.0 73.4

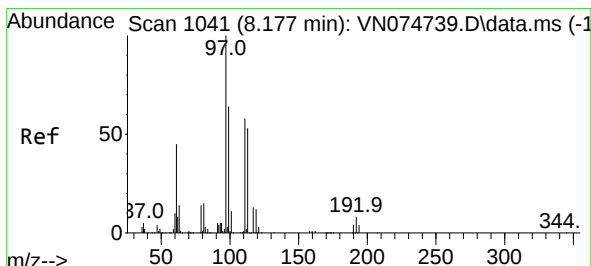
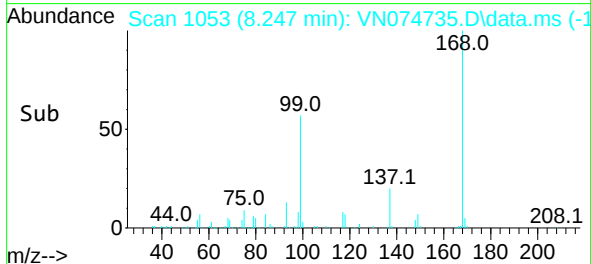
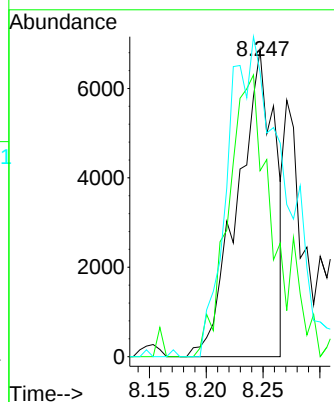
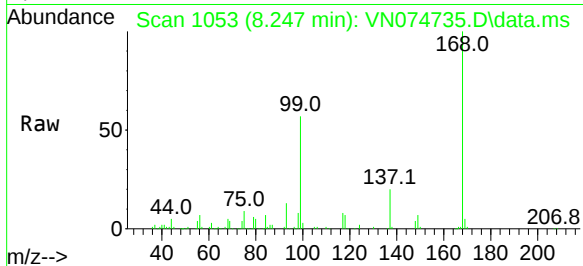




#31  
Cyclohexane  
Concen: 1.210 ug/l  
RT: 8.247 min Scan# 1053  
Delta R.T. -0.018 min  
Lab File: VN074735.D  
Acq: 05 Oct 2022 11:32

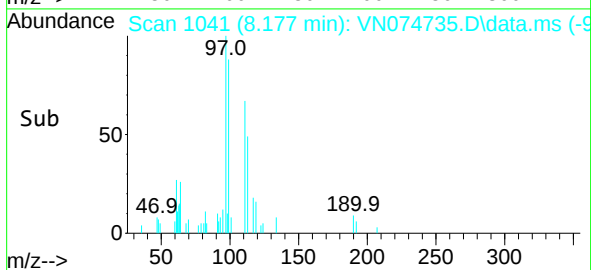
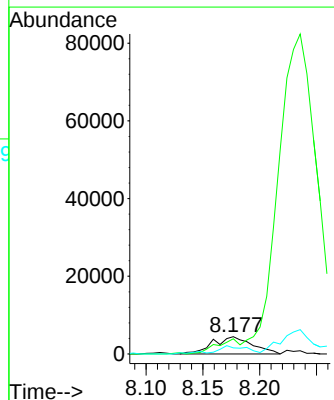
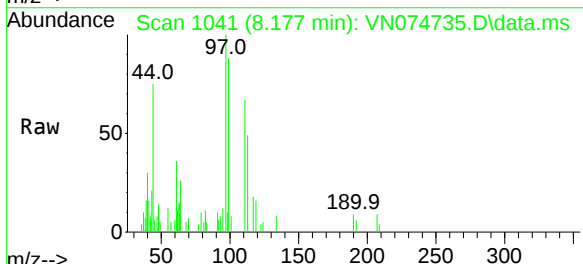
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC001

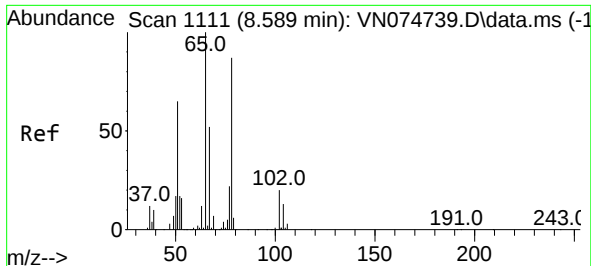
Tgt Ion: 56 Resp: 15732  
Ion Ratio Lower Upper  
56 100  
69 60.7 23.1 34.7#  
84 92.9 67.1 100.7



#32  
1,1,1-Trichloroethane  
Concen: 0.999 ug/l  
RT: 8.177 min Scan# 1041  
Delta R.T. 0.000 min  
Lab File: VN074735.D  
Acq: 05 Oct 2022 11:32

Tgt Ion: 97 Resp: 10819  
Ion Ratio Lower Upper  
97 100  
99 0.0 50.7 76.1#  
61 32.0 39.9 59.9#





#33

1,2-Dichloroethane-d4

Concen: 1.098 ug/l

RT: 8.583 min Scan# 1111

Delta R.T. -0.006 min

Lab File: VN074735.D

Acq: 05 Oct 2022 11:32

Instrument :

MSVOA\_N

ClientSampleId :

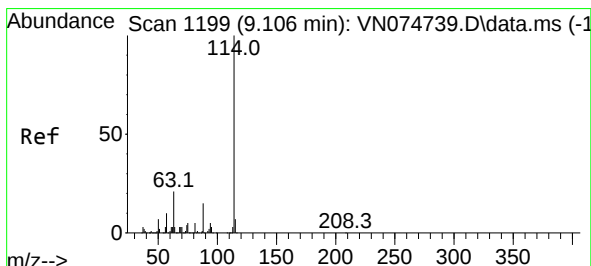
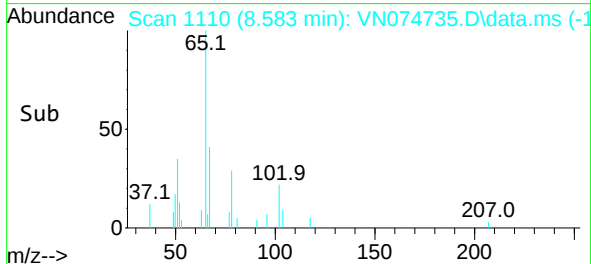
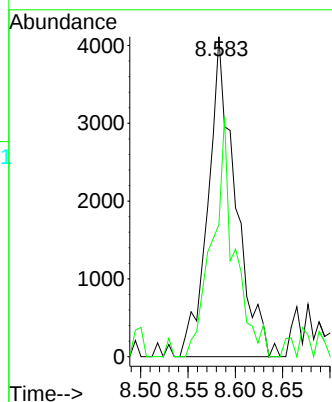
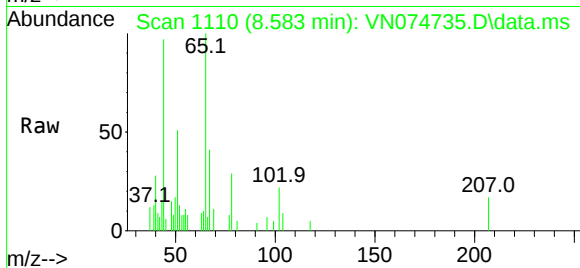
VSTDIC001

Tgt Ion: 65 Resp: 8259

Ion Ratio Lower Upper

65 100

67 60.3 0.0 109.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1199

Delta R.T. 0.000 min

Lab File: VN074735.D

Acq: 05 Oct 2022 11:32

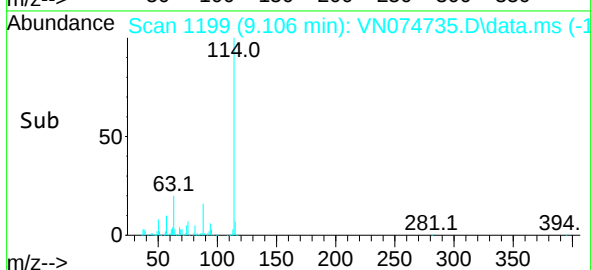
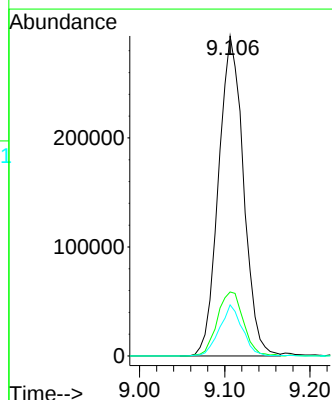
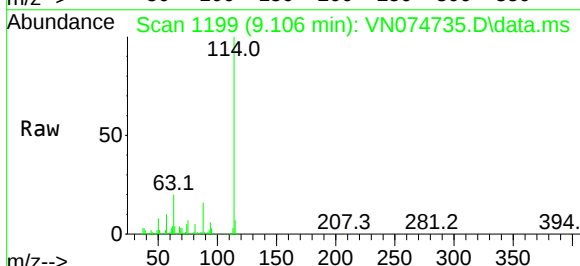
Tgt Ion: 114 Resp: 597203

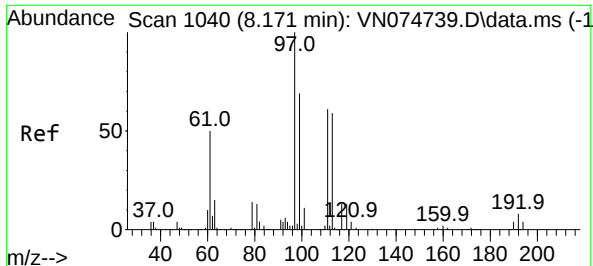
Ion Ratio Lower Upper

114 100

63 20.0 0.0 41.2

88 16.0 0.0 30.2

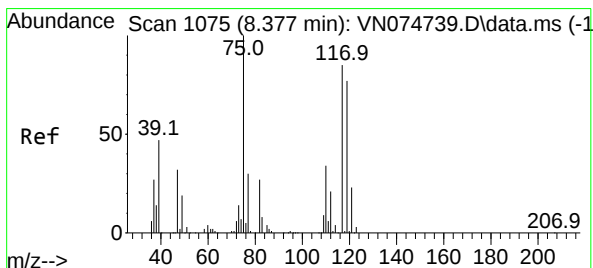
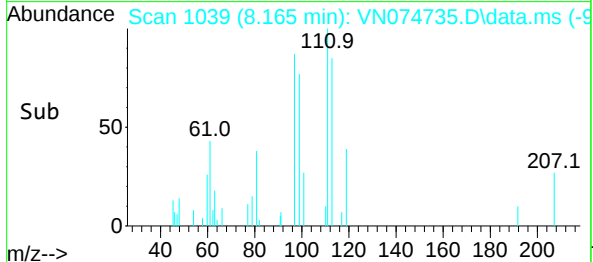
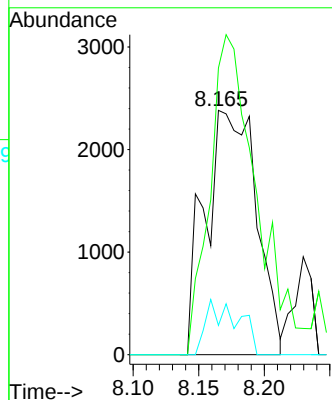
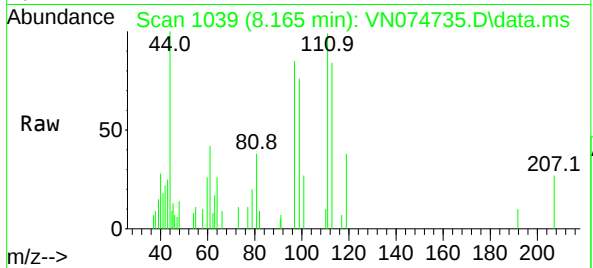




#35  
Dibromofluoromethane  
Concen: 1.063 ug/l  
RT: 8.165 min Scan# 1039  
Delta R.T. -0.006 min  
Lab File: VN074735.D  
Acq: 05 Oct 2022 11:32

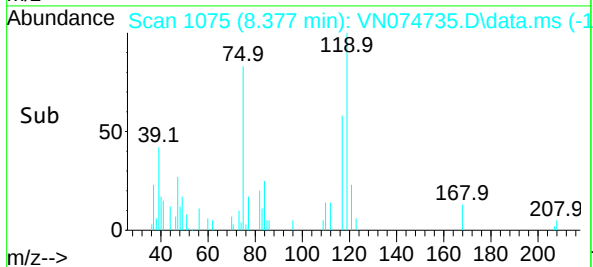
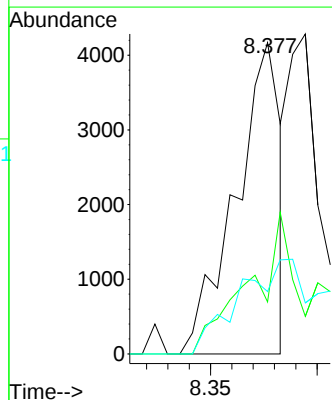
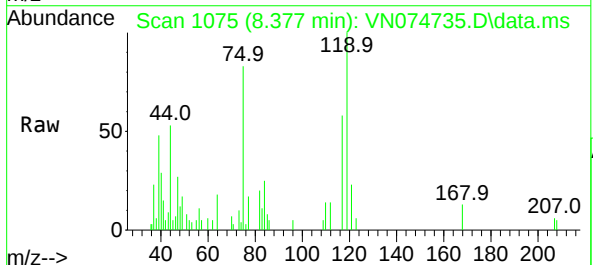
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC001

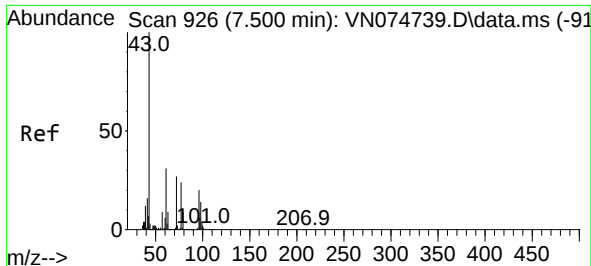
Tgt Ion:113 Resp: 6496  
Ion Ratio Lower Upper  
113 100  
111 120.1 83.0 124.6  
192 13.9 12.6 18.8



#36  
1,1-Dichloropropene  
Concen: 0.623 ug/l  
RT: 8.377 min Scan# 1075  
Delta R.T. 0.000 min  
Lab File: VN074735.D  
Acq: 05 Oct 2022 11:32

Tgt Ion: 75 Resp: 6091  
Ion Ratio Lower Upper  
75 100  
110 44.2 17.2 51.5  
77 55.6 24.3 36.5#





#37

Ethyl Acetate

Concen: 1.025 ug/l

RT: 7.512 min Scan# 91

Delta R.T. 0.012 min

Lab File: VN074735.D

Acq: 05 Oct 2022 11:32

Instrument :

MSVOA\_N

ClientSampleId :

VSTDICC001

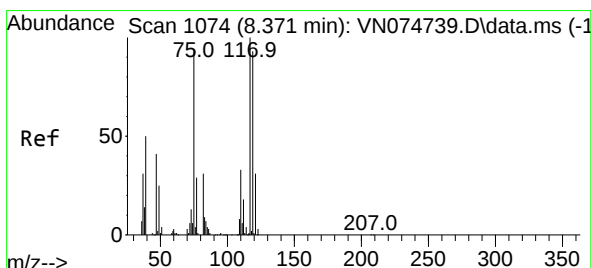
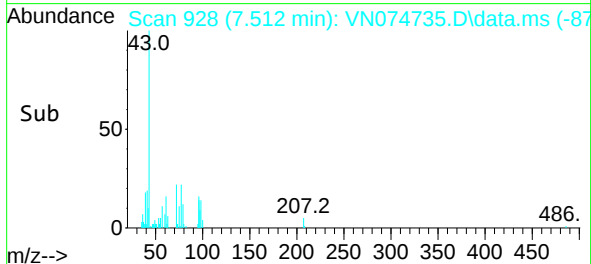
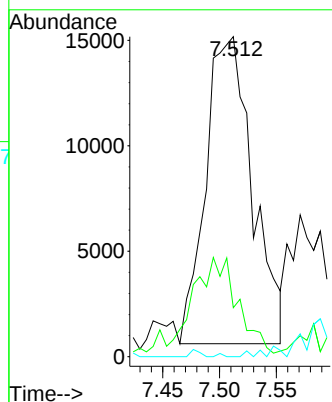
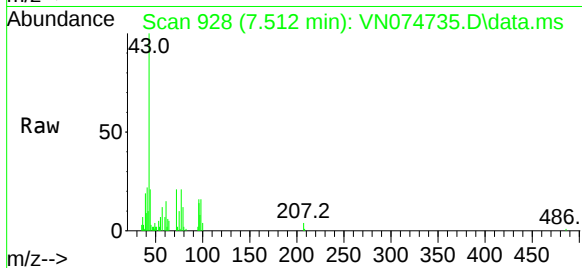
Tgt Ion: 43 Resp: 41569

Ion Ratio Lower Upper

43 100

61 0.0 4.3 6.5#

70 0.2 3.0 4.4#



#38

Carbon Tetrachloride

Concen: 1.067 ug/l

RT: 8.365 min Scan# 1073

Delta R.T. -0.006 min

Lab File: VN074735.D

Acq: 05 Oct 2022 11:32

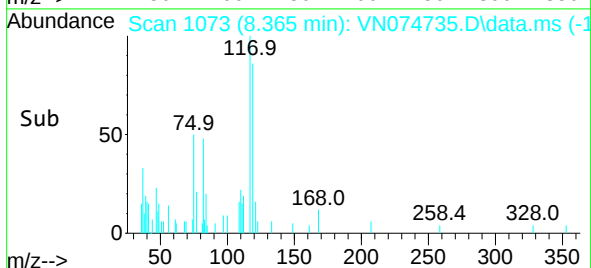
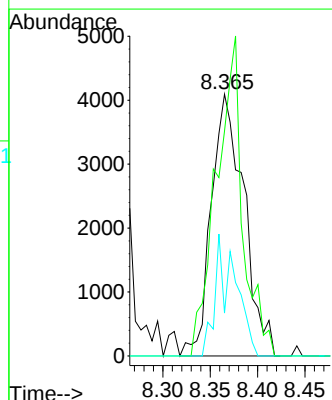
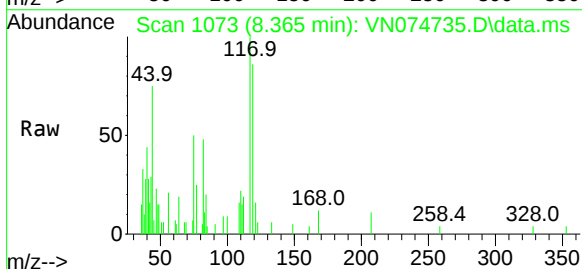
Tgt Ion: 117 Resp: 9824

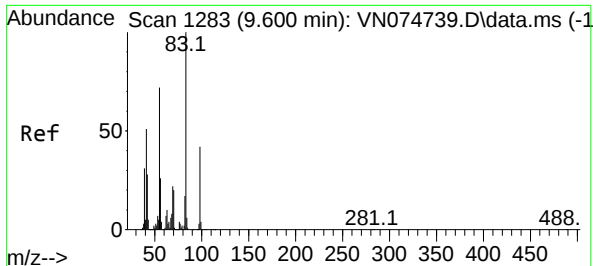
Ion Ratio Lower Upper

117 100

119 85.9 74.3 111.5

121 16.4 25.0 37.4#





#39

Methylcyclohexane

Concen: 1.000 ug/l

RT: 9.612 min Scan# 11285

Delta R.T. 0.012 min

Lab File: VN074735.D

Acq: 05 Oct 2022 11:32

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC001

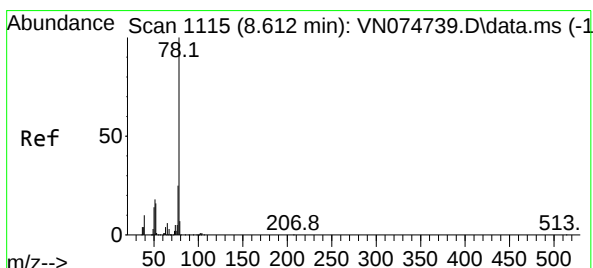
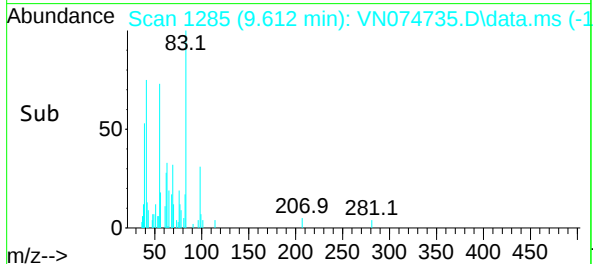
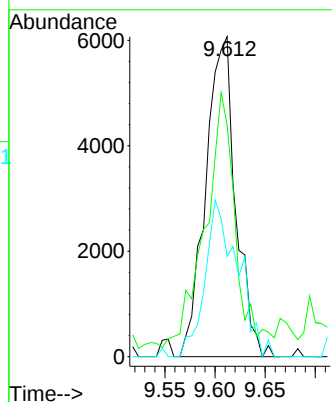
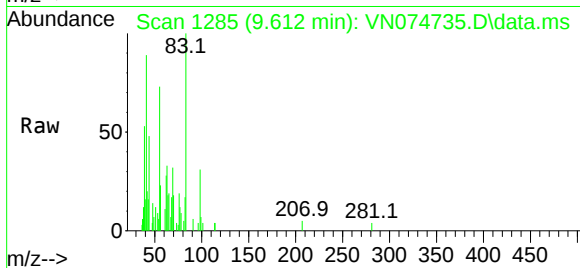
Tgt Ion: 83 Resp: 12646

Ion Ratio Lower Upper

83 100

55 65.5 57.3 85.9

98 31.4 33.4 50.2#



#40

Benzene

Concen: 1.017 ug/l

RT: 8.612 min Scan# 1115

Delta R.T. 0.000 min

Lab File: VN074735.D

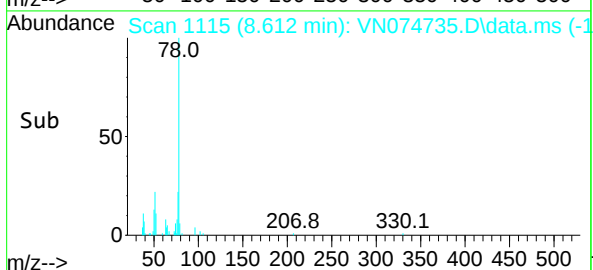
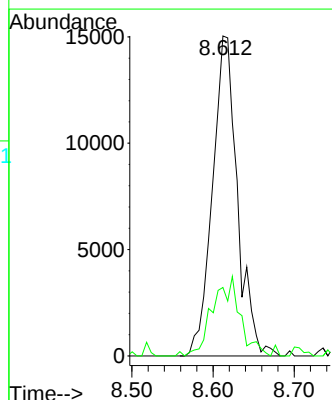
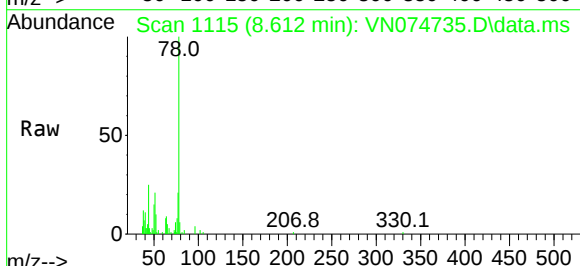
Acq: 05 Oct 2022 11:32

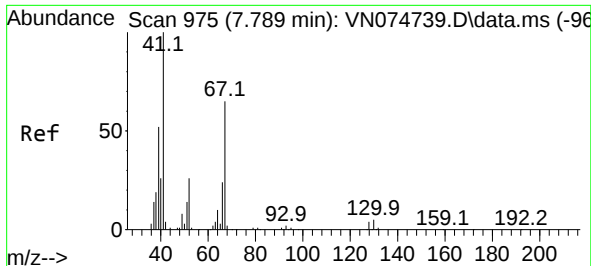
Tgt Ion: 78 Resp: 32163

Ion Ratio Lower Upper

78 100

77 21.4 20.1 30.1

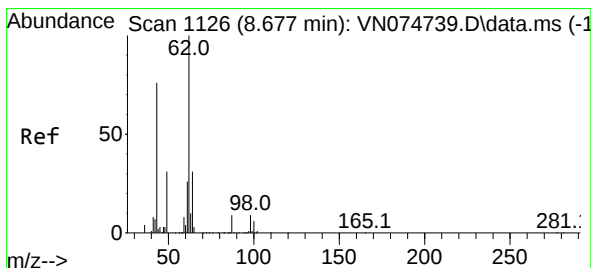
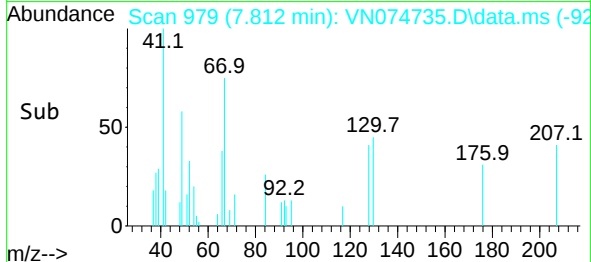
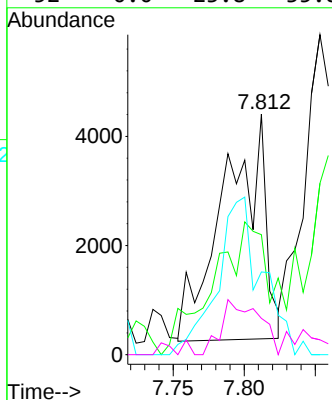
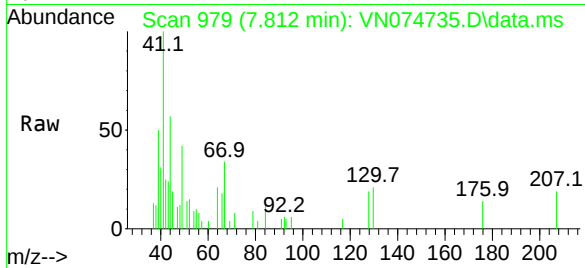




#41  
Methacrylonitrile  
Concen: 1.103 ug/l  
RT: 7.812 min Scan# 91  
Delta R.T. 0.024 min  
Lab File: VN074735.D  
Acq: 05 Oct 2022 11:32

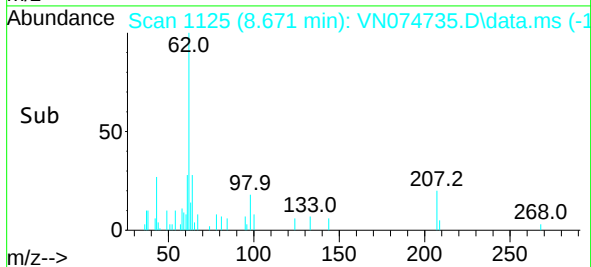
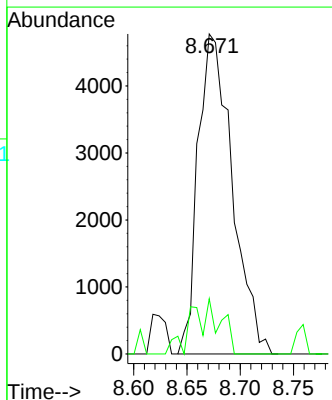
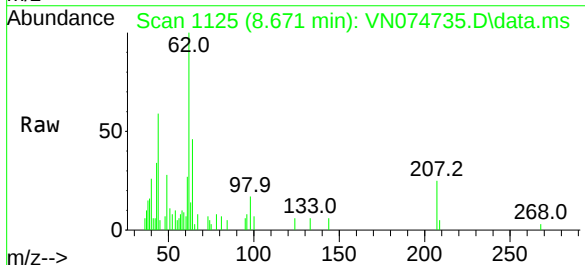
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC001

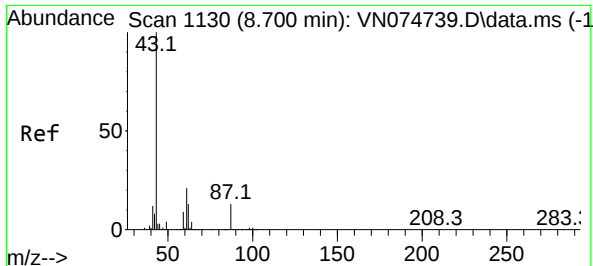
Tgt Ion: 41 Resp: 8510  
Ion Ratio Lower Upper  
41 100  
39 82.0 43.3 64.9#  
67 74.1 60.2 90.2  
52 0.0 23.8 35.8#



#42  
1,2-Dichloroethane  
Concen: 1.077 ug/l  
RT: 8.671 min Scan# 1125  
Delta R.T. -0.006 min  
Lab File: VN074735.D  
Acq: 05 Oct 2022 11:32

Tgt Ion: 62 Resp: 10689  
Ion Ratio Lower Upper  
62 100  
98 7.1 0.0 19.4

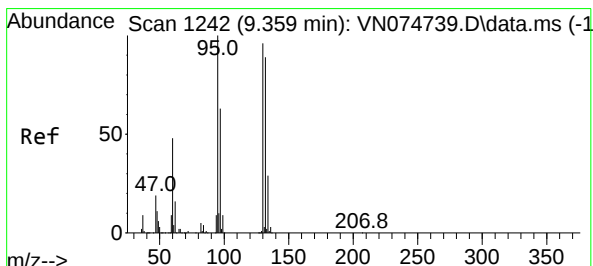
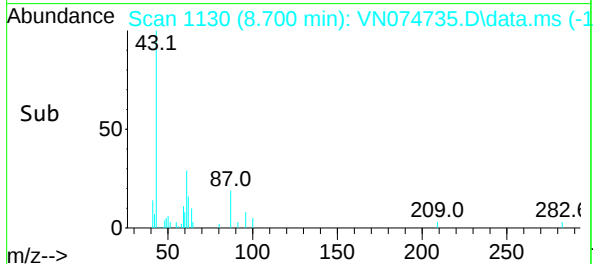
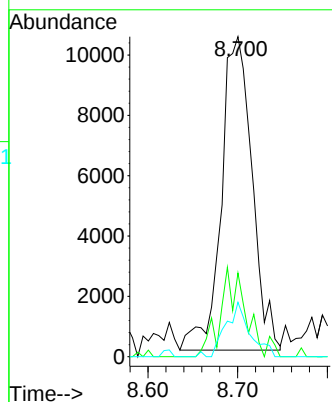
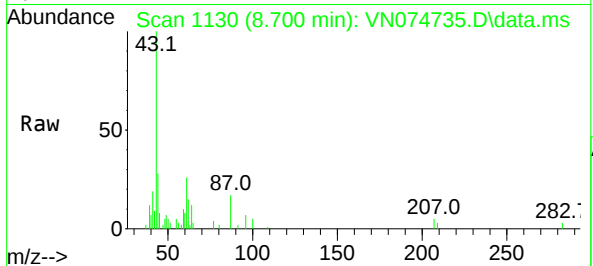




#43  
Isopropyl Acetate  
Concen: 1.024 ug/l  
RT: 8.700 min Scan# 1130  
Delta R.T. 0.000 min  
Lab File: VN074735.D  
Acq: 05 Oct 2022 11:32

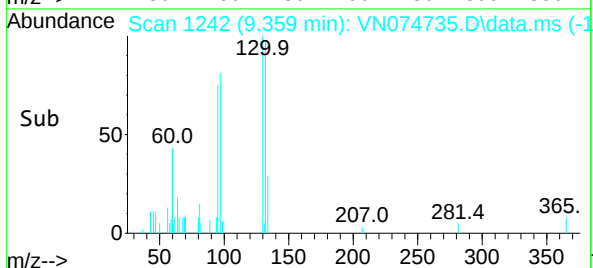
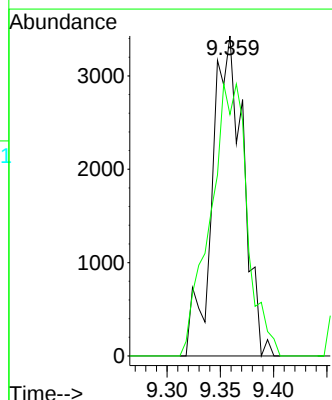
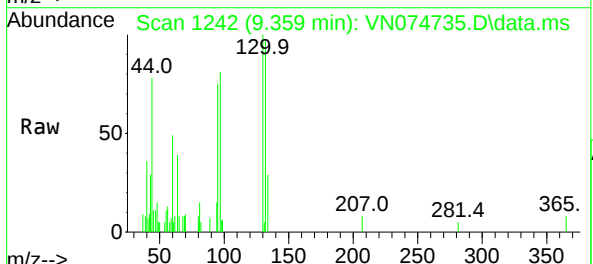
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC001

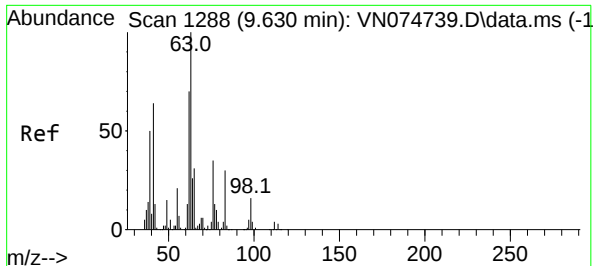
Tgt Ion: 43 Resp: 24793  
Ion Ratio Lower Upper  
43 100  
61 22.5 19.4 29.0  
87 13.5 10.1 15.1



#44  
Trichloroethene  
Concen: 1.055 ug/l  
RT: 9.359 min Scan# 1242  
Delta R.T. -0.000 min  
Lab File: VN074735.D  
Acq: 05 Oct 2022 11:32

Tgt Ion: 130 Resp: 6945  
Ion Ratio Lower Upper  
130 100  
95 75.5 0.0 207.6





#45

1,2-Dichloropropane

Concen: 0.941 ug/l

RT: 9.636 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN074735.D

Acq: 05 Oct 2022 11:32

Instrument :

MSVOA\_N

ClientSampleId :

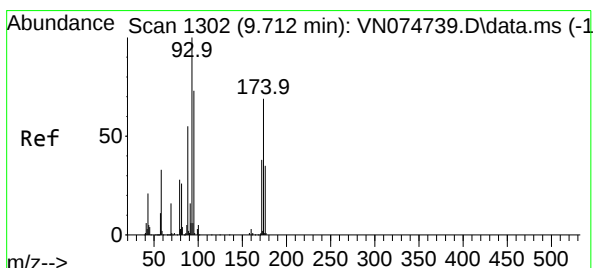
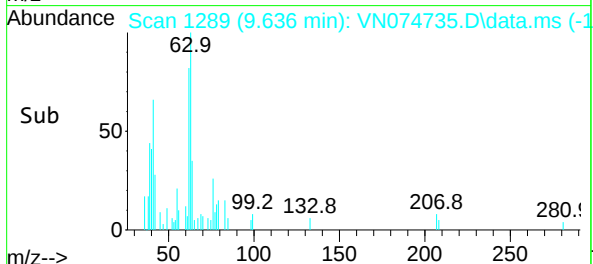
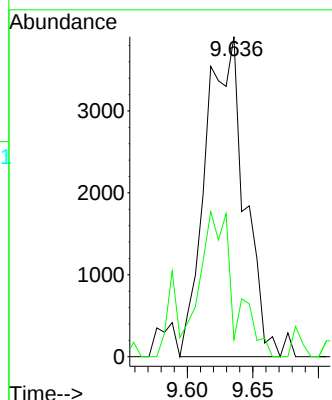
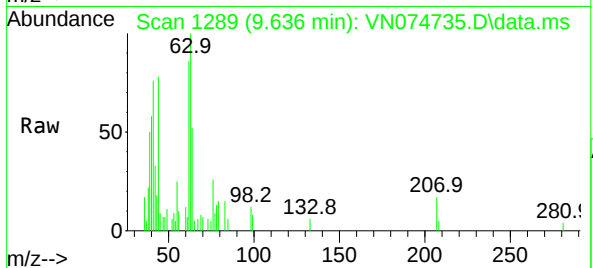
VSTDIC001

Tgt Ion: 63 Resp: 8058

Ion Ratio Lower Upper

63 100

65 5.3 24.5 36.7#



#46

Dibromomethane

Concen: 0.823 ug/l

RT: 9.718 min Scan# 1303

Delta R.T. 0.006 min

Lab File: VN074735.D

Acq: 05 Oct 2022 11:32

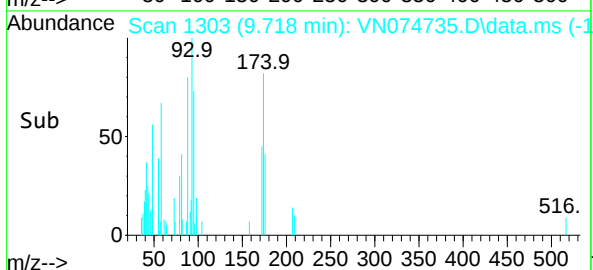
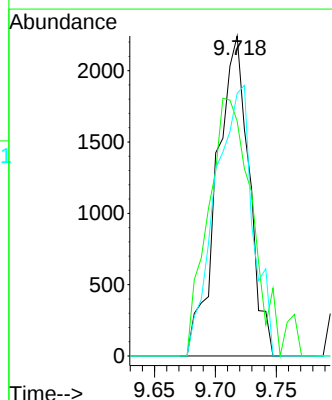
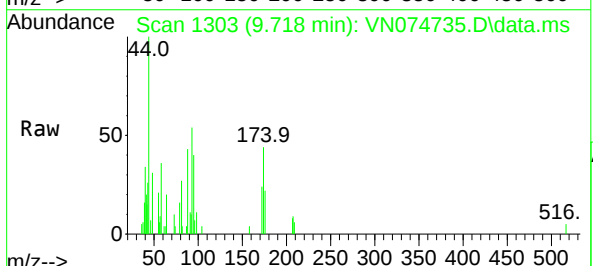
Tgt Ion: 93 Resp: 4133

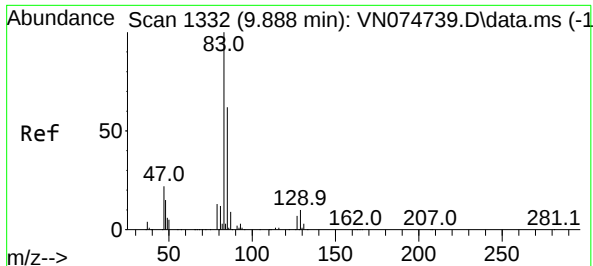
Ion Ratio Lower Upper

93 100

95 112.3 63.4 95.2#

174 99.0 60.5 90.7#





#47

Bromodichloromethane

Concen: 0.967 ug/l

RT: 9.894 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN074735.D

Acq: 05 Oct 2022 11:32

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC001

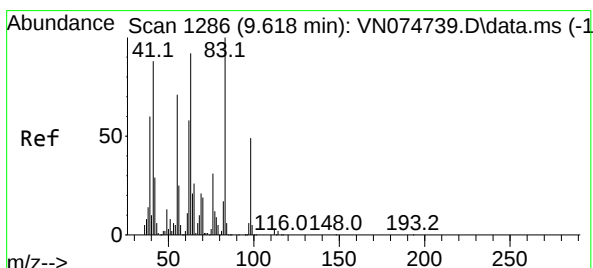
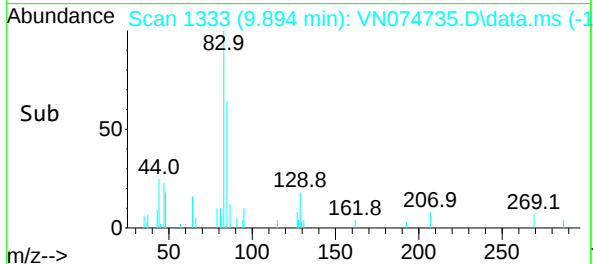
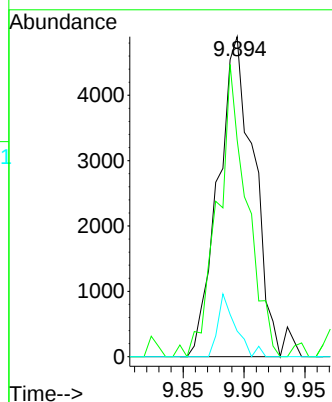
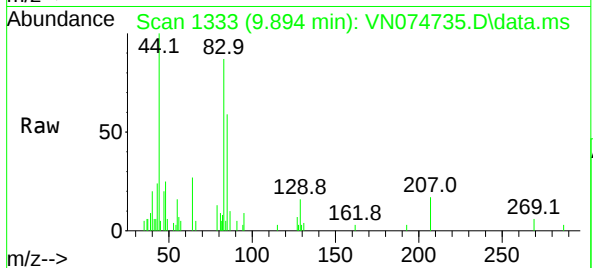
Tgt Ion: 83 Resp: 9923

Ion Ratio Lower Upper

83 100

85 67.7 49.7 74.5

127 8.0 5.8 8.8



#48

Methyl methacrylate

Concen: 0.887 ug/l

RT: 9.612 min Scan# 1285

Delta R.T. -0.006 min

Lab File: VN074735.D

Acq: 05 Oct 2022 11:32

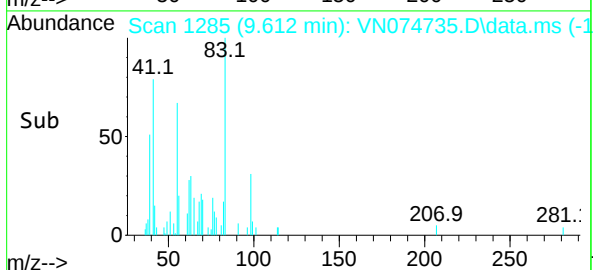
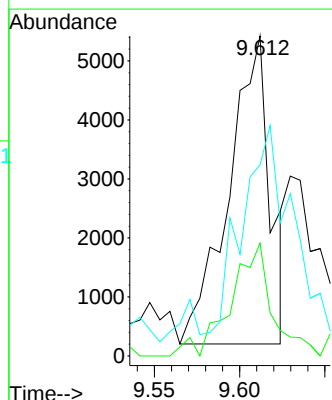
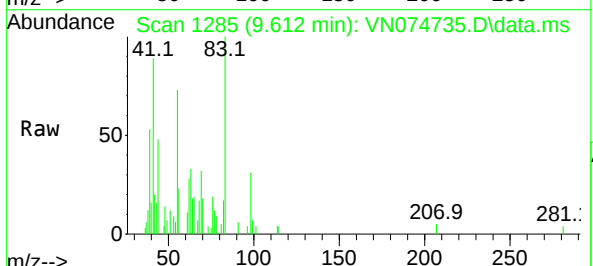
Tgt Ion: 41 Resp: 8815

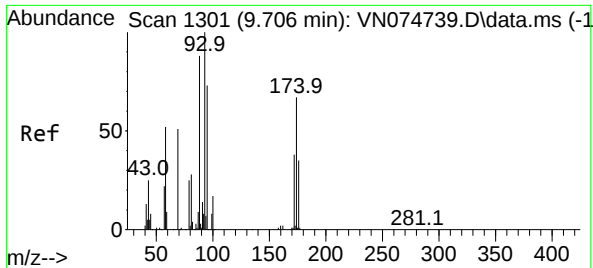
Ion Ratio Lower Upper

41 100

69 37.1 0.0 0.0#

39 86.6 54.4 81.6#

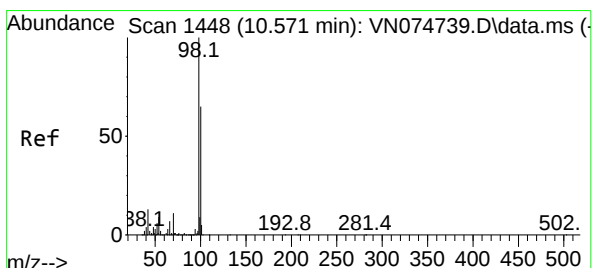
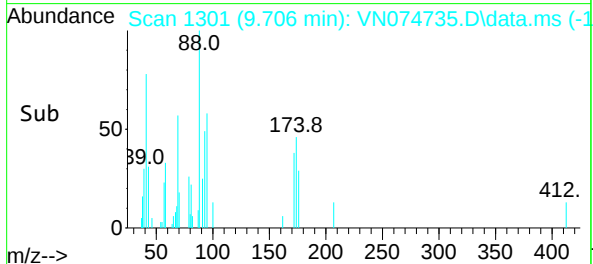
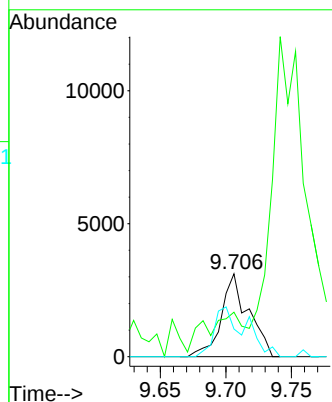
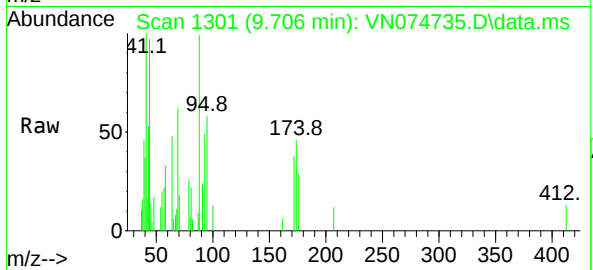




#49  
1,4-Dioxane  
Concen: 20.849 ug/l  
RT: 9.706 min Scan# 1301  
Delta R.T. 0.000 min  
Lab File: VN074735.D  
Acq: 05 Oct 2022 11:32

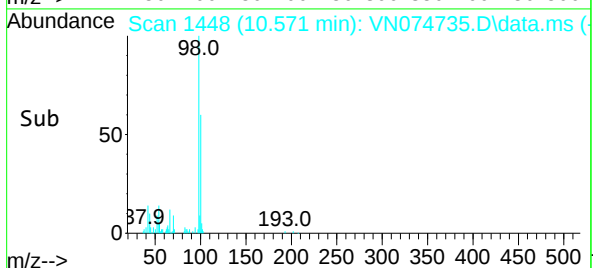
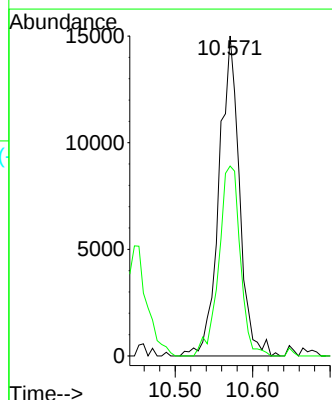
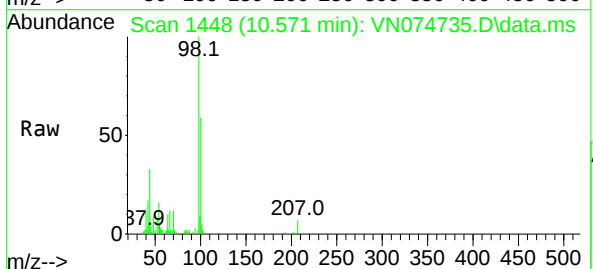
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC001

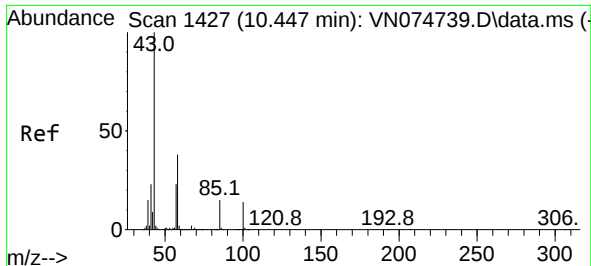
Tgt Ion: 88 Resp: 4491  
Ion Ratio Lower Upper  
88 100  
43 21.3 23.4 35.2#  
58 69.4 54.9 82.3



#50  
Toluene-d8  
Concen: 1.065 ug/l  
RT: 10.571 min Scan# 1448  
Delta R.T. 0.000 min  
Lab File: VN074735.D  
Acq: 05 Oct 2022 11:32

Tgt Ion: 98 Resp: 27576  
Ion Ratio Lower Upper  
98 100  
100 62.4 50.7 76.1

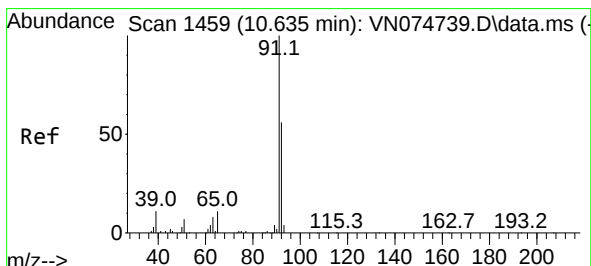
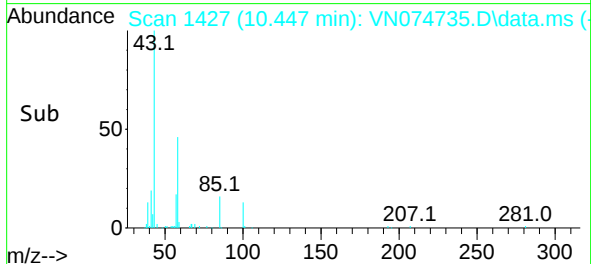
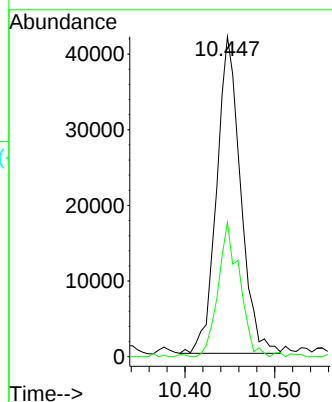
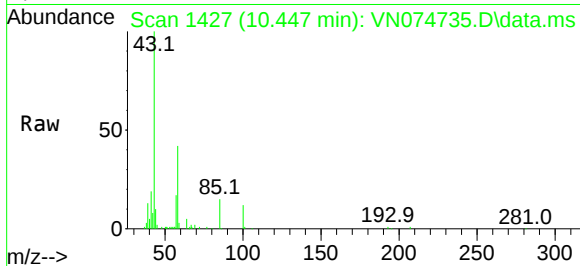




#51  
4-Methyl-2-Pentanone  
Concen: 4.983 ug/l  
RT: 10.447 min Scan# 1427  
Delta R.T. 0.000 min  
Lab File: VN074735.D  
Acq: 05 Oct 2022 11:32

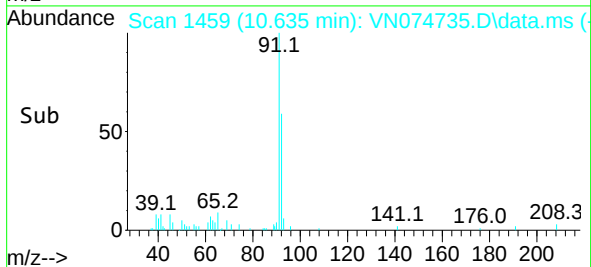
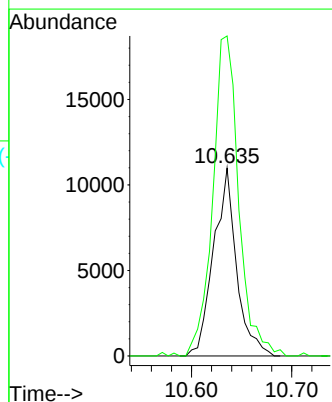
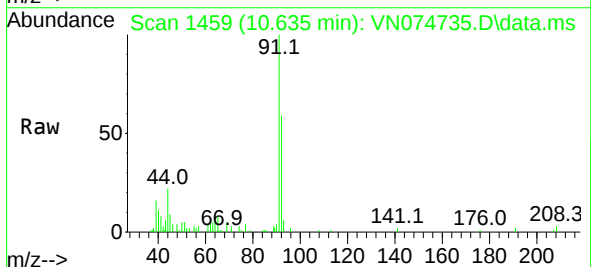
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC001

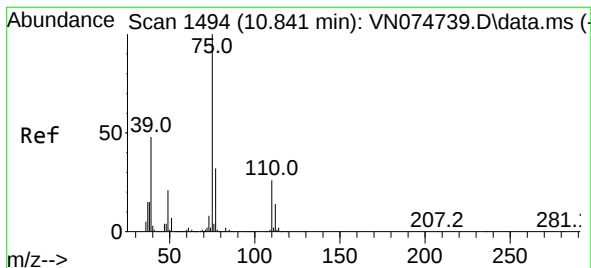
Tgt Ion: 43 Resp: 77675  
Ion Ratio Lower Upper  
43 100  
58 37.8 30.6 45.8



#52  
Toluene  
Concen: 0.923 ug/l  
RT: 10.635 min Scan# 1459  
Delta R.T. 0.000 min  
Lab File: VN074735.D  
Acq: 05 Oct 2022 11:32

Tgt Ion: 92 Resp: 17536  
Ion Ratio Lower Upper  
92 100  
91 191.9 140.2 210.4

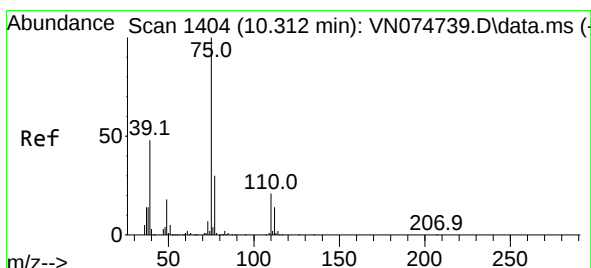
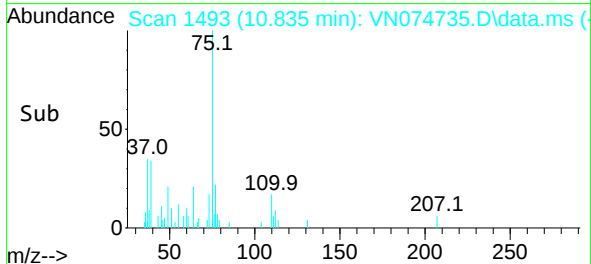
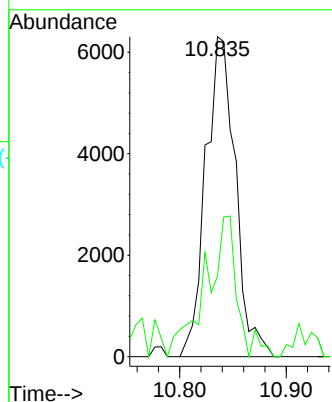
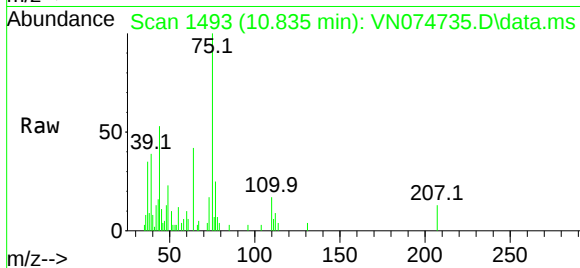




#53  
t-1,3-Dichloropropene  
Concen: 0.998 ug/l  
RT: 10.835 min Scan# 1493  
Delta R.T. -0.006 min  
Lab File: VN074735.D  
Acq: 05 Oct 2022 11:32

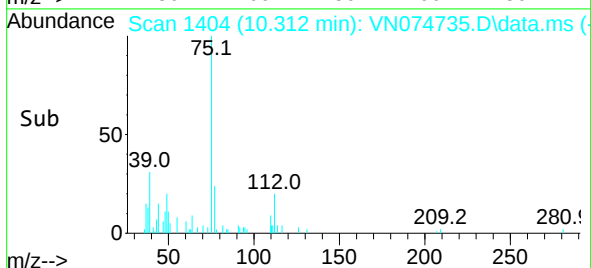
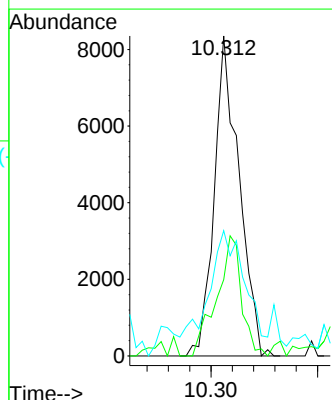
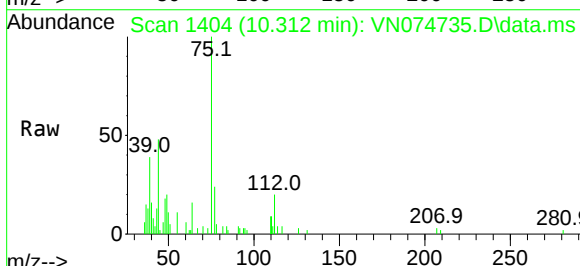
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC001

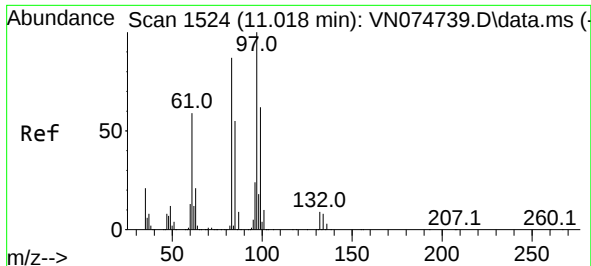
Tgt Ion: 75 Resp: 12201  
Ion Ratio Lower Upper  
75 100  
77 25.1 26.0 39.0#



#54  
cis-1,3-Dichloropropene  
Concen: 1.020 ug/l  
RT: 10.312 min Scan# 1404  
Delta R.T. 0.000 min  
Lab File: VN074735.D  
Acq: 05 Oct 2022 11:32

Tgt Ion: 75 Resp: 13461  
Ion Ratio Lower Upper  
75 100  
77 23.8 24.4 36.6#  
39 34.1 38.6 57.8#

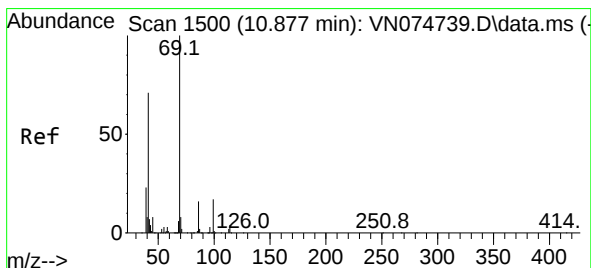
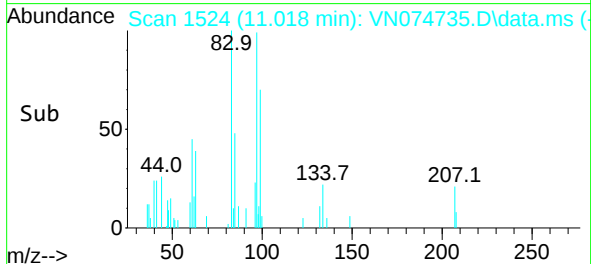
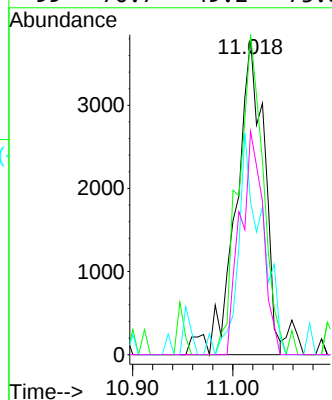
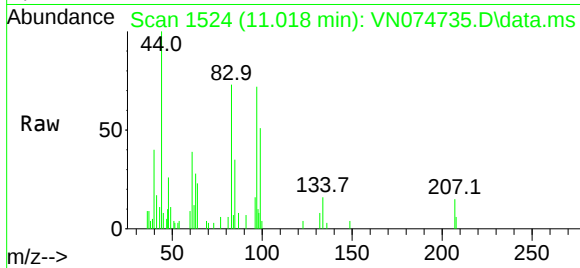




#55  
1,1,2-Trichloroethane  
Concen: 0.969 ug/l  
RT: 11.018 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VN074735.D  
Acq: 05 Oct 2022 11:32

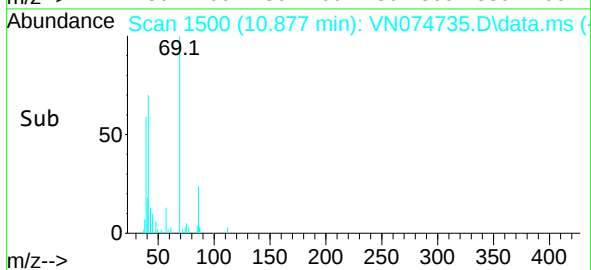
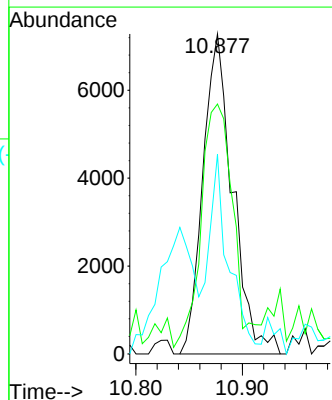
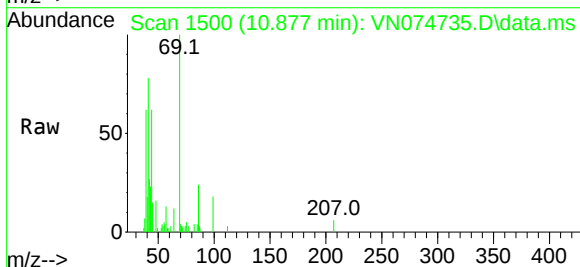
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC001

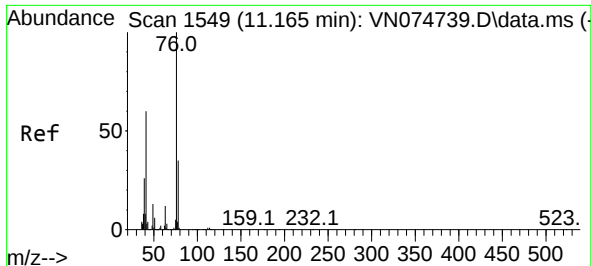
|             |       |       |       |
|-------------|-------|-------|-------|
| Tgt Ion: 97 | Resp: | 7398  |       |
| Ion         | Ratio | Lower | Upper |
| 97          | 100   |       |       |
| 83          | 94.2  | 69.7  | 104.5 |
| 85          | 48.3  | 43.8  | 65.6  |
| 99          | 70.7  | 49.2  | 73.8  |



#56  
Ethyl methacrylate  
Concen: 1.016 ug/l  
RT: 10.877 min Scan# 1500  
Delta R.T. 0.000 min  
Lab File: VN074735.D  
Acq: 05 Oct 2022 11:32

|             |             |
|-------------|-------------|
| Tgt Ion: 69 | Resp: 14128 |
| Ion Ratio   | Lower Upper |
| 69 100      |             |
| 41 80.5     | 54.9 82.3   |
| 39 36.8     | 31.5 47.3   |





#57

1,3-Dichloropropane

Concen: 1.012 ug/l

RT: 11.165 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN074735.D

Acq: 05 Oct 2022 11:32

Instrument :

MSVOA\_N

ClientSampleId :

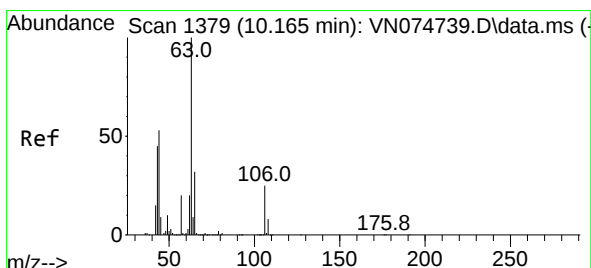
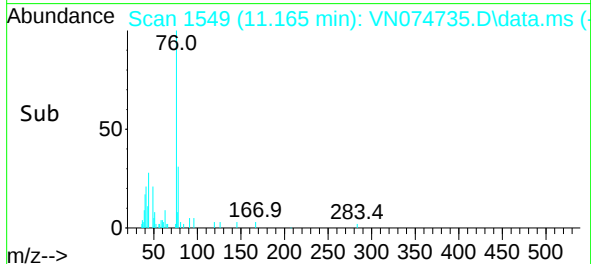
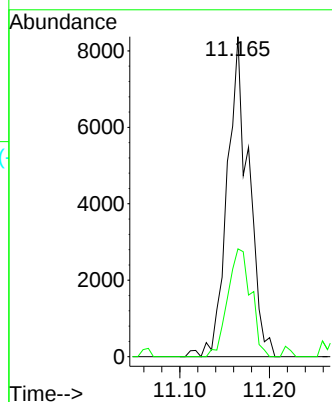
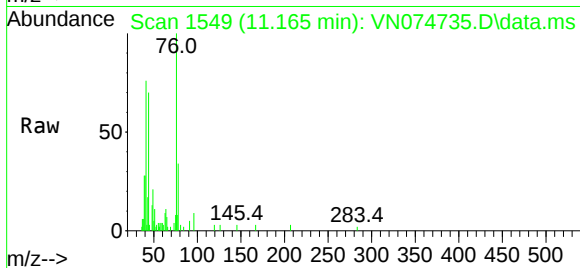
VSTDIC001

Tgt Ion: 76 Resp: 13934

Ion Ratio Lower Upper

76 100

78 36.4 26.2 39.2



#58

2-Chloroethyl Vinyl ether

Concen: 4.834 ug/l

RT: 10.159 min Scan# 1378

Delta R.T. -0.006 min

Lab File: VN074735.D

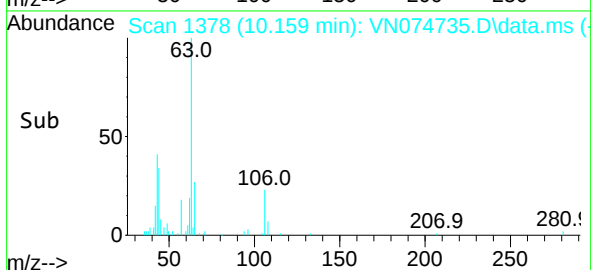
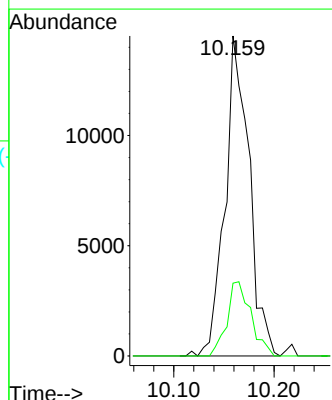
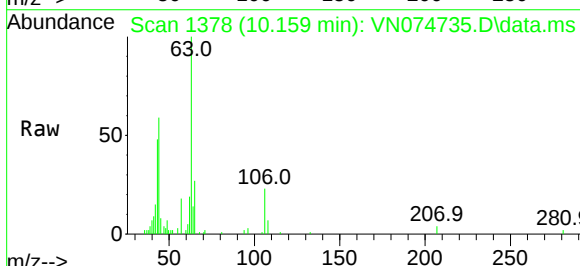
Acq: 05 Oct 2022 11:32

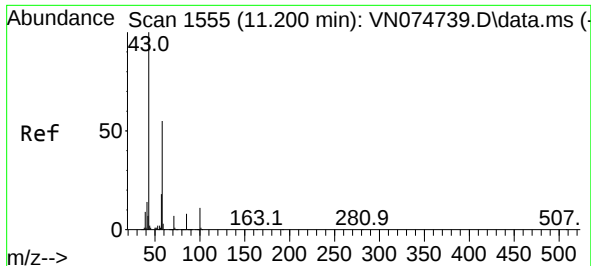
Tgt Ion: 63 Resp: 24253

Ion Ratio Lower Upper

63 100

106 23.0 20.0 30.0

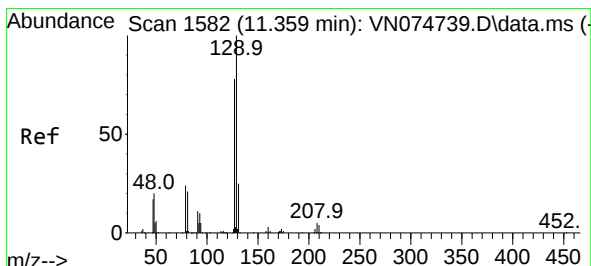
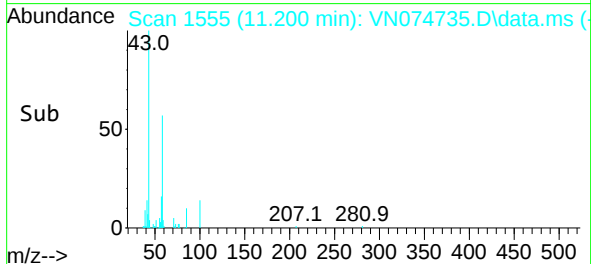
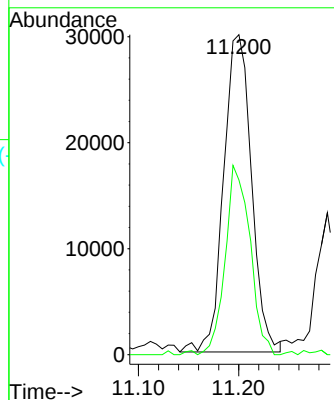
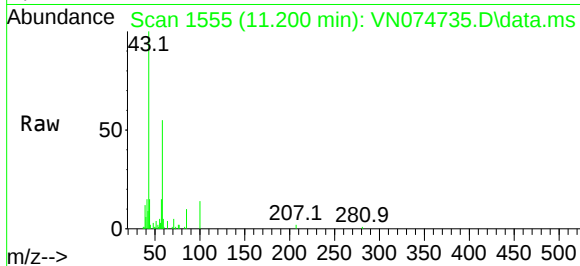




#59  
2-Hexanone  
Concen: 4.902 ug/l  
RT: 11.200 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VN074735.D  
Acq: 05 Oct 2022 11:32

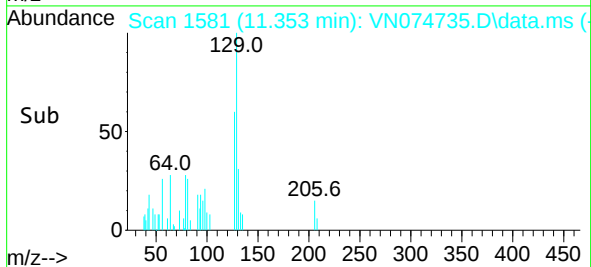
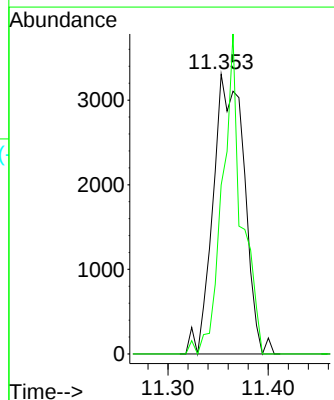
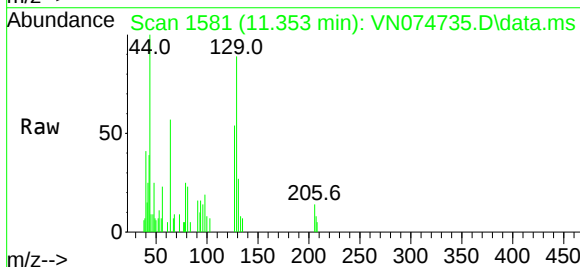
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC001

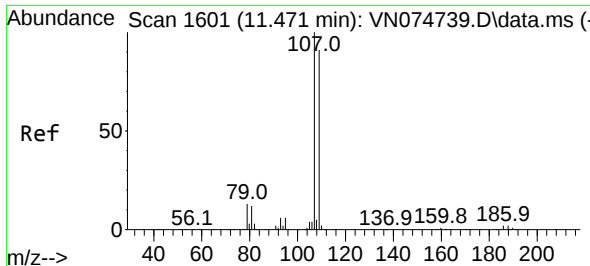
Tgt Ion: 43 Resp: 57798  
Ion Ratio Lower Upper  
43 100  
58 53.0 27.3 81.9



#60  
Dibromochloromethane  
Concen: 0.948 ug/l  
RT: 11.353 min Scan# 1581  
Delta R.T. -0.006 min  
Lab File: VN074735.D  
Acq: 05 Oct 2022 11:32

Tgt Ion:129 Resp: 7134  
Ion Ratio Lower Upper  
129 100  
127 71.2 39.5 118.3

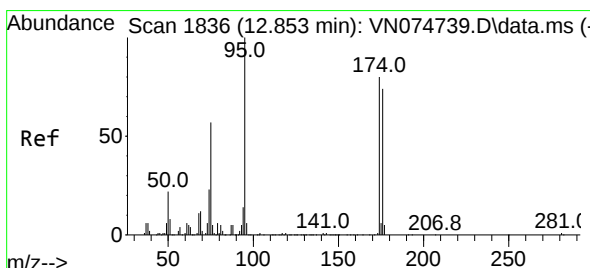
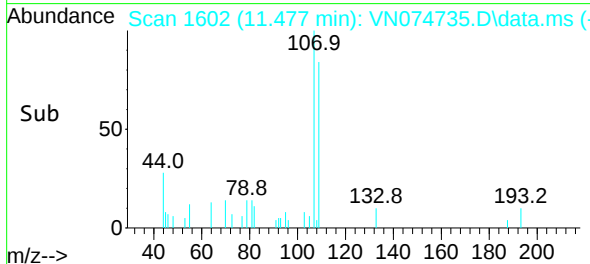
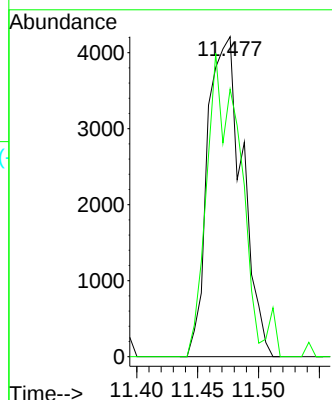
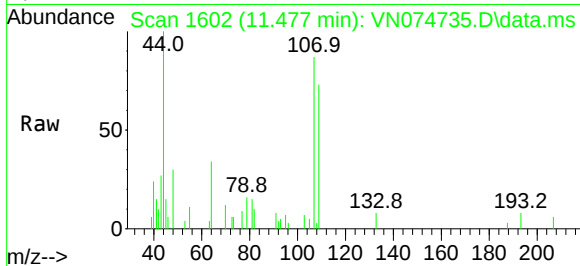




#61  
1,2-Dibromoethane  
Concen: 1.075 ug/l  
RT: 11.477 min Scan# 1  
Delta R.T. 0.006 min  
Lab File: VN074735.D  
Acq: 05 Oct 2022 11:32

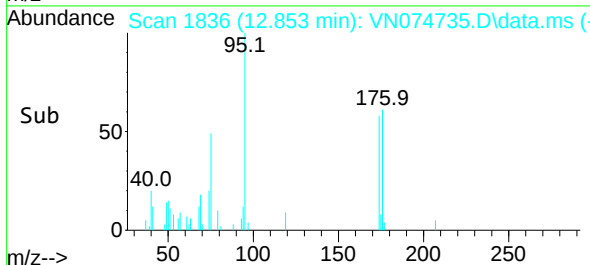
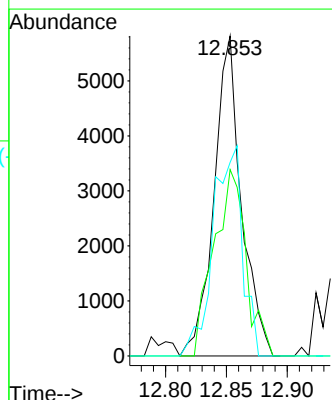
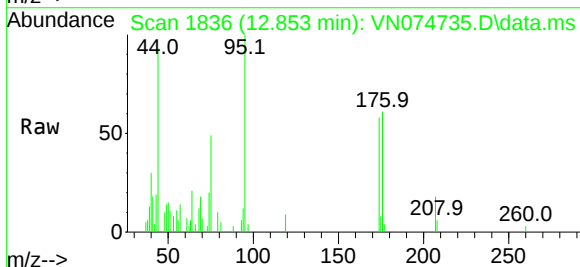
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC001

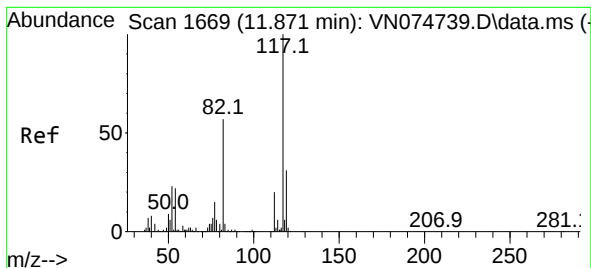
Tgt Ion:107 Resp: 8346  
Ion Ratio Lower Upper  
107 100  
109 89.7 74.2 111.2



#62  
4-Bromofluorobenzene  
Concen: 1.159 ug/l  
RT: 12.853 min Scan# 1836  
Delta R.T. 0.000 min  
Lab File: VN074735.D  
Acq: 05 Oct 2022 11:32

Tgt Ion: 95 Resp: 9118  
Ion Ratio Lower Upper  
95 100  
174 68.4 0.0 149.4  
176 70.7 0.0 142.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.871 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN074735.D

Acq: 05 Oct 2022 11:32

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC001

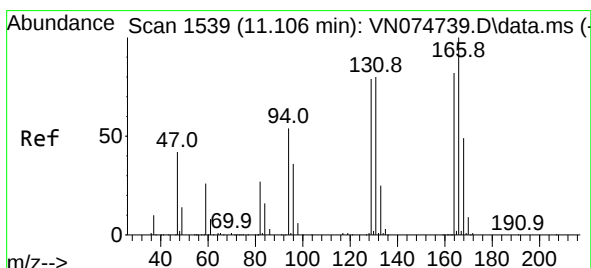
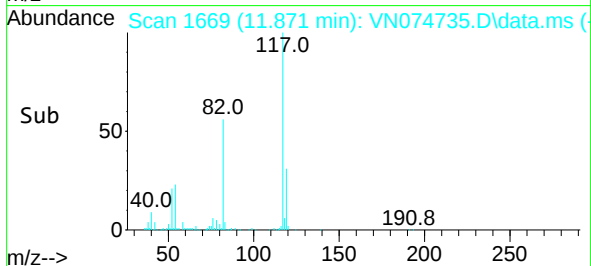
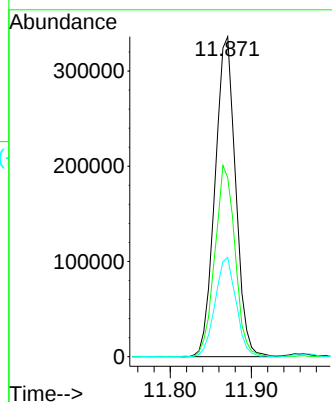
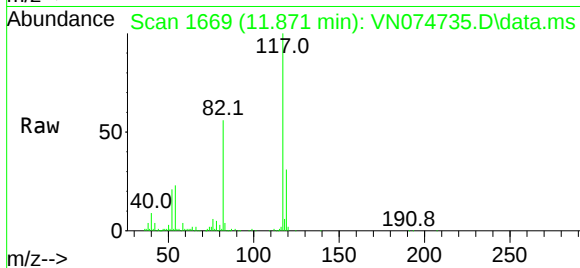
Tgt Ion:117 Resp: 593667

Ion Ratio Lower Upper

117 100

82 55.9 45.4 68.2

119 31.1 25.1 37.7



#64

Tetrachloroethene

Concen: 1.141 ug/l

RT: 11.100 min Scan# 1538

Delta R.T. -0.006 min

Lab File: VN074735.D

Acq: 05 Oct 2022 11:32

Tgt Ion:164 Resp: 5497

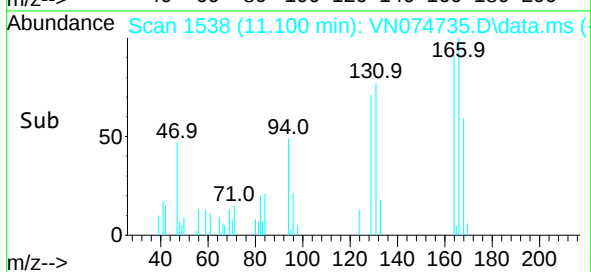
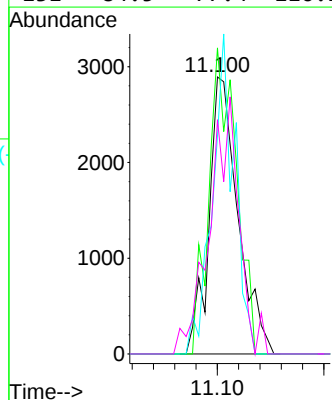
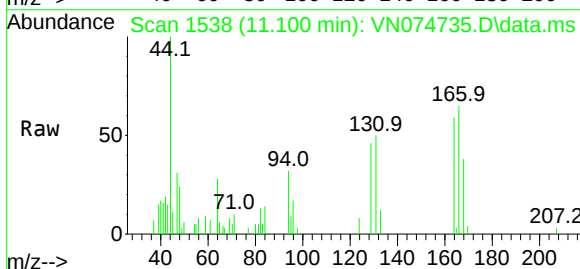
Ion Ratio Lower Upper

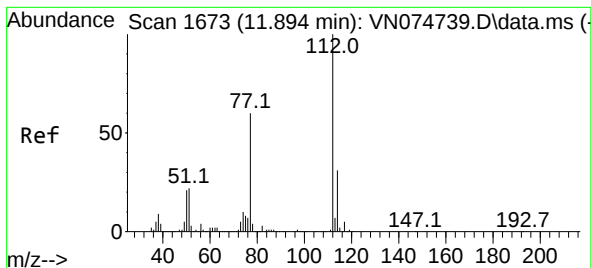
164 100

166 110.5 97.0 145.6

129 78.7 77.0 115.6

131 84.5 77.4 116.2





#65

Chlorobenzene

Concen: 0.999 ug/l

RT: 11.894 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN074735.D

Acq: 05 Oct 2022 11:32

Instrument :

MSVOA\_N

ClientSampleId :

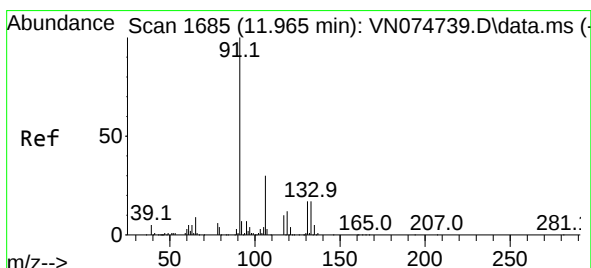
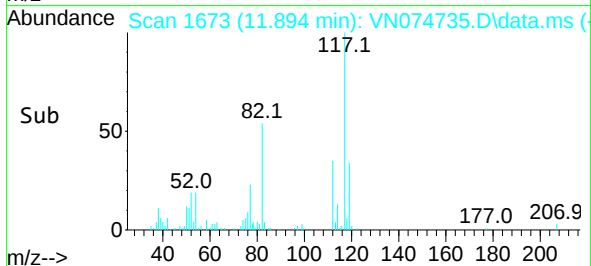
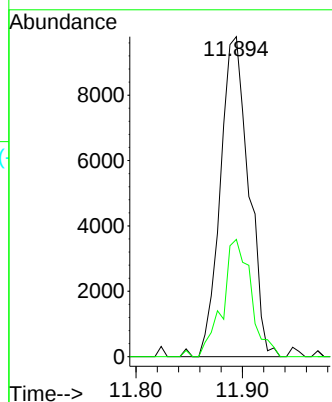
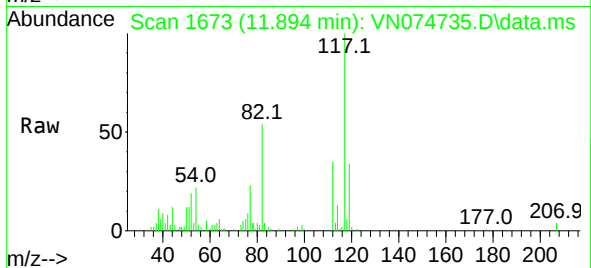
VSTDIC001

Tgt Ion:112 Resp: 18161

Ion Ratio Lower Upper

112 100

114 36.6 25.0 37.4



#66

1,1,1,2-Tetrachloroethane

Concen: 1.158 ug/l

RT: 11.959 min Scan# 1684

Delta R.T. -0.006 min

Lab File: VN074735.D

Acq: 05 Oct 2022 11:32

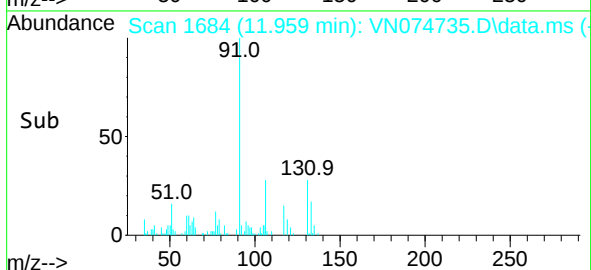
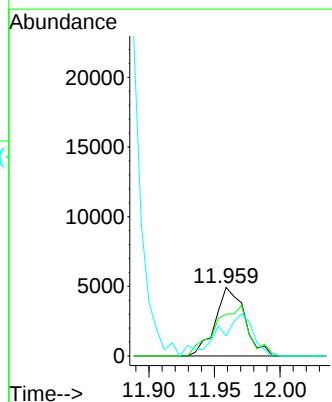
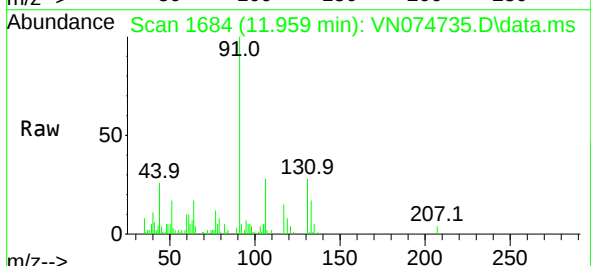
Tgt Ion:131 Resp: 7688

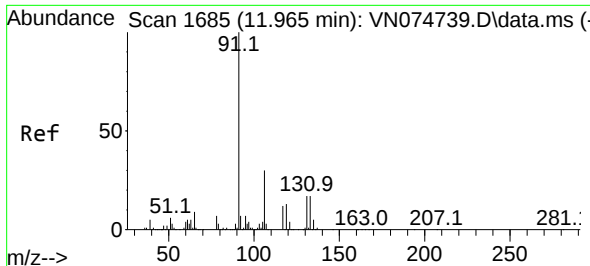
Ion Ratio Lower Upper

131 100

133 85.0 47.6 142.9

119 0.0 34.8 104.3#

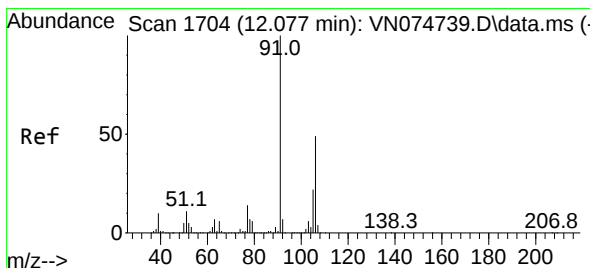
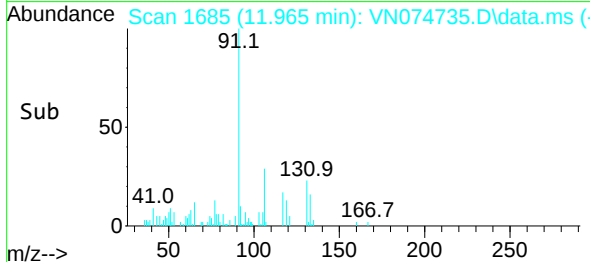
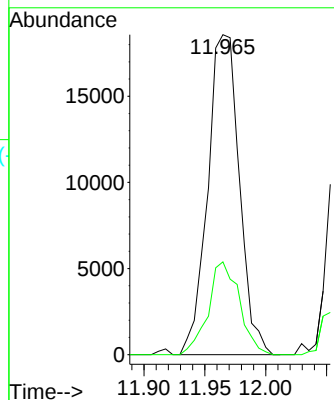
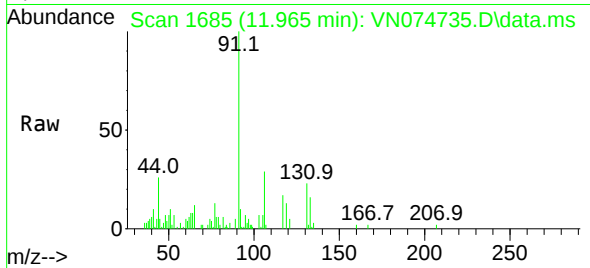




#67  
Ethyl Benzene  
Concen: 0.990 ug/l  
RT: 11.965 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VN074735.D  
Acq: 05 Oct 2022 11:32

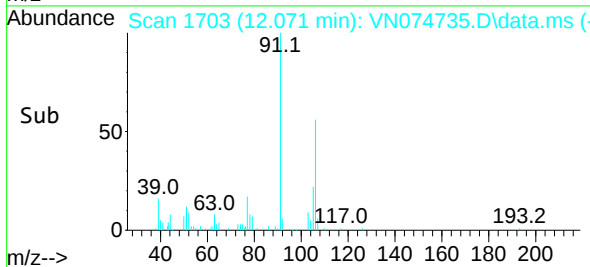
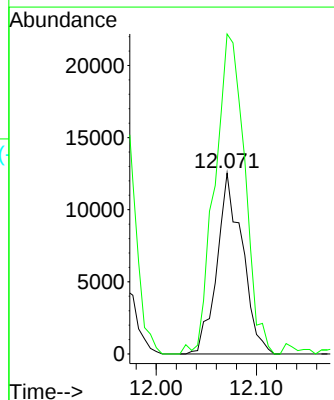
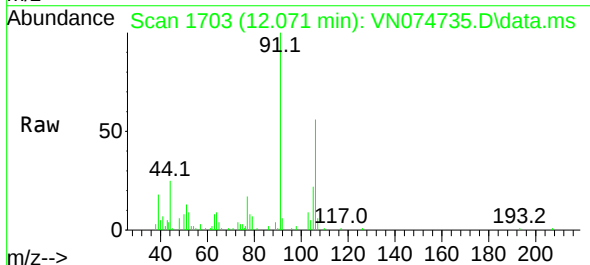
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC001

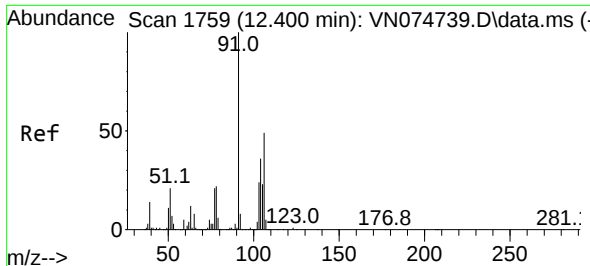
Tgt Ion: 91 Resp: 33569  
Ion Ratio Lower Upper  
91 100  
106 29.0 24.1 36.1



#68  
m/p-Xylenes  
Concen: 1.732 ug/l  
RT: 12.071 min Scan# 1703  
Delta R.T. -0.006 min  
Lab File: VN074735.D  
Acq: 05 Oct 2022 11:32

Tgt Ion: 106 Resp: 22047  
Ion Ratio Lower Upper  
106 100  
91 208.4 164.2 246.4

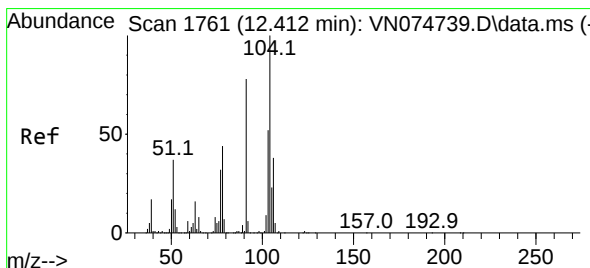
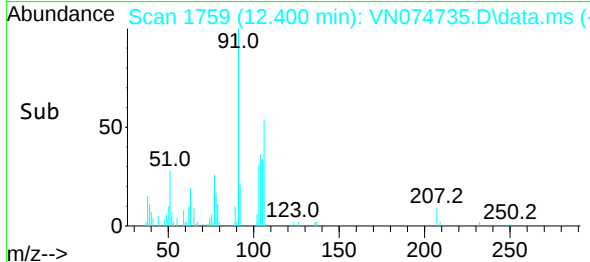
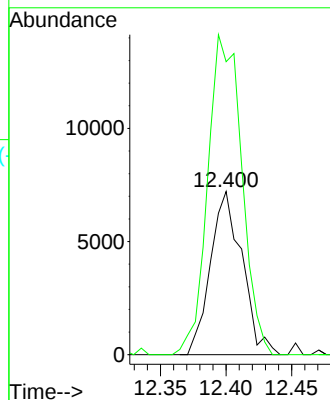
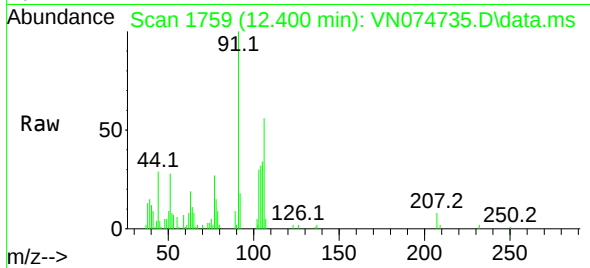




#69  
o-Xylene  
Concen: 0.928 ug/l  
RT: 12.400 min Scan# 1759  
Delta R.T. 0.000 min  
Lab File: VN074735.D  
Acq: 05 Oct 2022 11:32

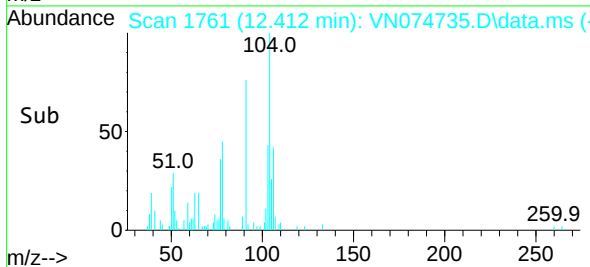
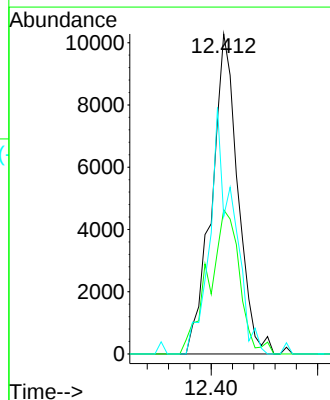
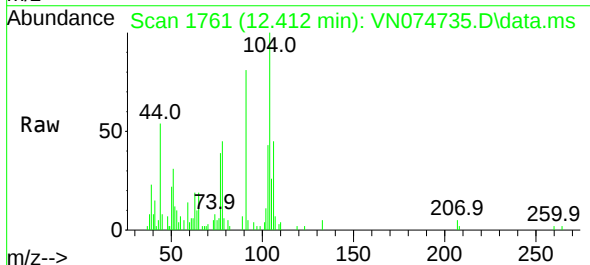
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC001

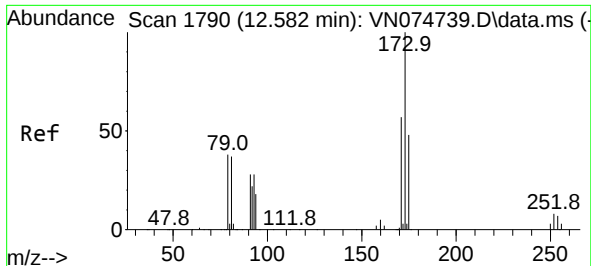
Tgt Ion:106 Resp: 12113  
Ion Ratio Lower Upper  
106 100  
91 210.5 105.4 316.1



#70  
Styrene  
Concen: 0.854 ug/l  
RT: 12.412 min Scan# 1761  
Delta R.T. 0.000 min  
Lab File: VN074735.D  
Acq: 05 Oct 2022 11:32

Tgt Ion:104 Resp: 17571  
Ion Ratio Lower Upper  
104 100  
78 53.0 39.7 59.5  
103 68.5 44.7 67.1#

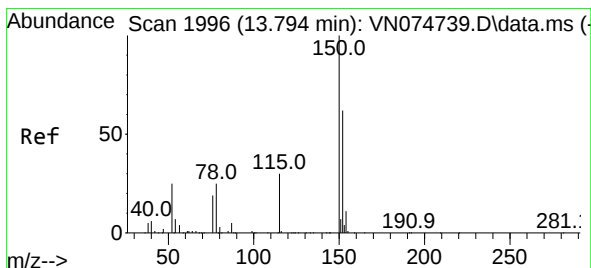
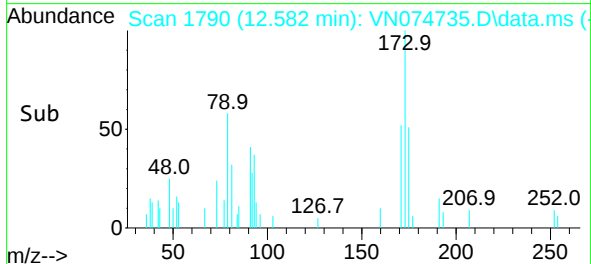
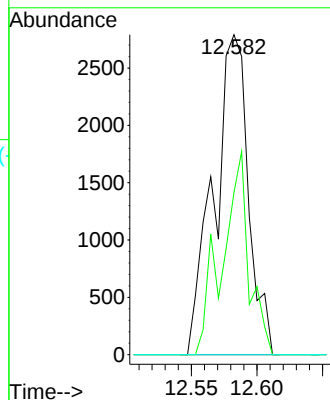
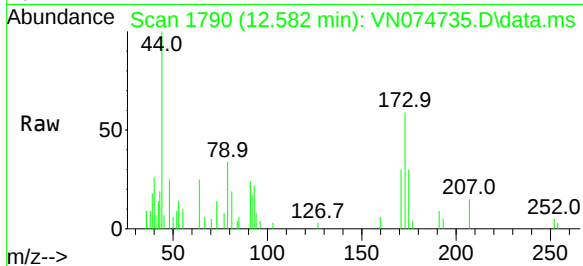




#71  
Bromoform  
Concen: 1.005 ug/l  
RT: 12.582 min Scan# 1790  
Delta R.T. 0.000 min  
Lab File: VN074735.D  
Acq: 05 Oct 2022 11:32

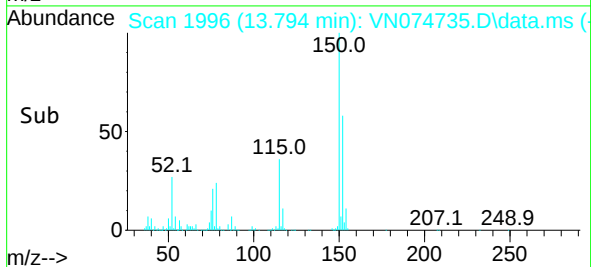
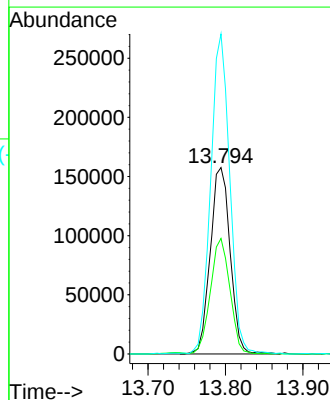
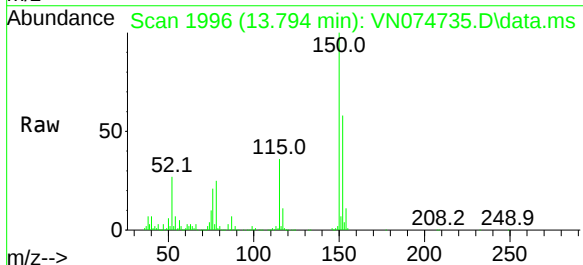
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC001

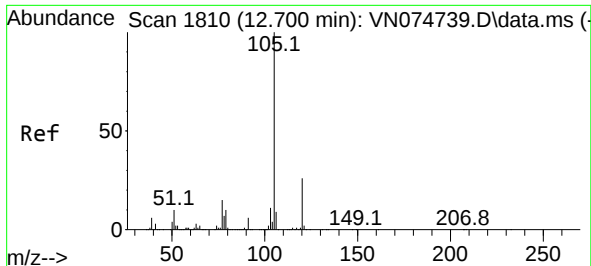
Tgt Ion:173 Resp: 5093  
Ion Ratio Lower Upper  
173 100  
175 49.5 23.9 71.7  
254 0.0 0.1 0.1#



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.794 min Scan# 1996  
Delta R.T. 0.000 min  
Lab File: VN074735.D  
Acq: 05 Oct 2022 11:32

Tgt Ion:152 Resp: 281274  
Ion Ratio Lower Upper  
152 100  
115 60.8 30.0 90.0  
150 164.6 0.0 356.4

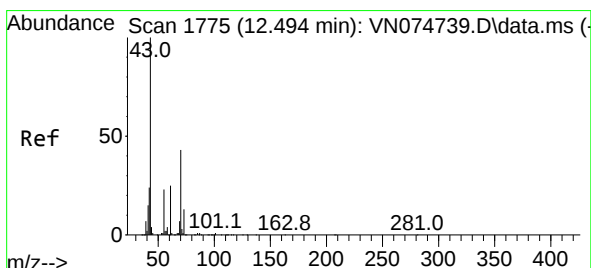
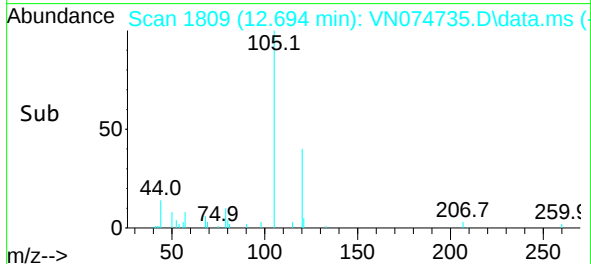
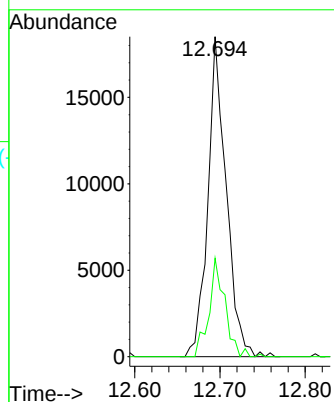
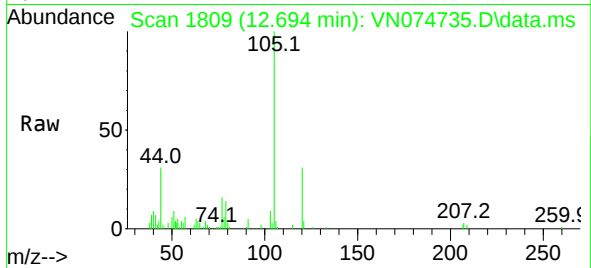




#73  
Isopropylbenzene  
Concen: 1.025 ug/l  
RT: 12.694 min Scan# 1810  
Delta R.T. -0.006 min  
Lab File: VN074735.D  
Acq: 05 Oct 2022 11:32

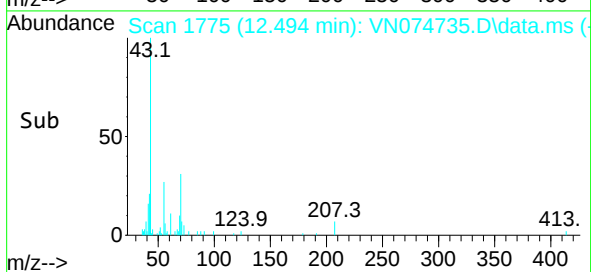
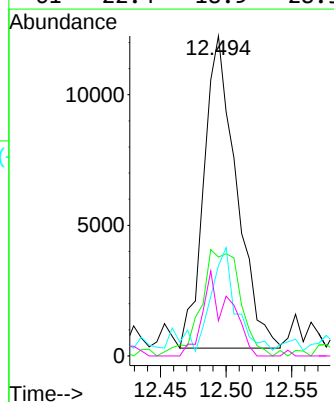
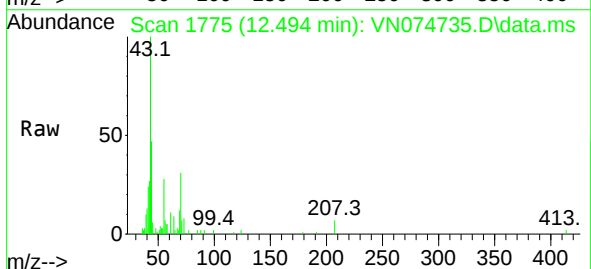
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC001

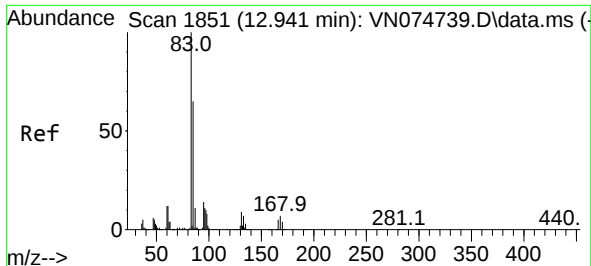
Tgt Ion:105 Resp: 27734  
Ion Ratio Lower Upper  
105 100  
120 26.6 13.1 39.3



#74  
N-ethyl acetate  
Concen: 1.258 ug/l  
RT: 12.494 min Scan# 1775  
Delta R.T. 0.000 min  
Lab File: VN074735.D  
Acq: 05 Oct 2022 11:32

Tgt Ion: 43 Resp: 20584  
Ion Ratio Lower Upper  
43 100  
70 40.9 32.9 49.3  
55 24.7 17.8 26.6  
61 22.4 18.9 28.3

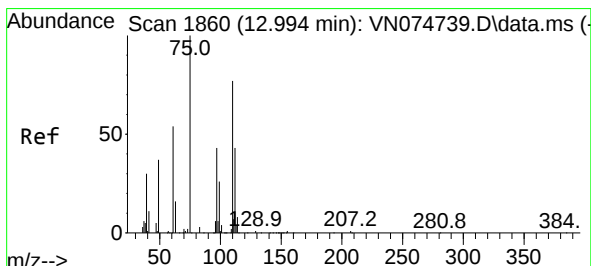
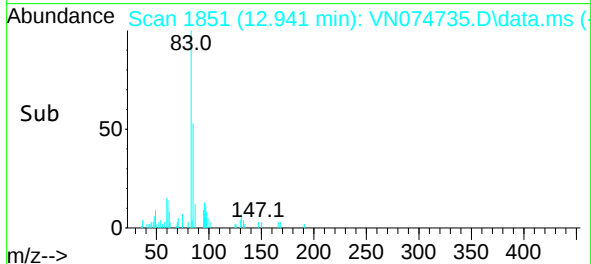
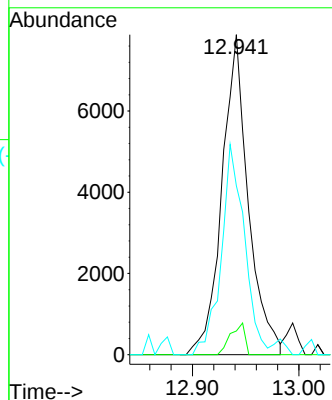
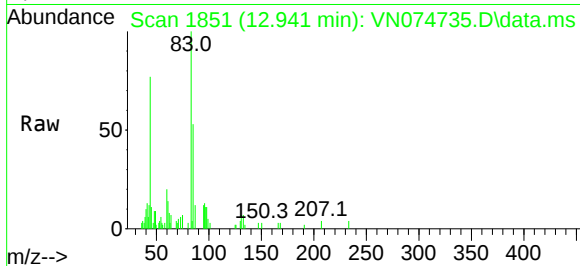




#75  
 1,1,2,2-Tetrachloroethane  
 Concen: 1.263 ug/l  
 RT: 12.941 min Scan# 1851  
 Delta R.T. 0.000 min  
 Lab File: VN074735.D  
 Acq: 05 Oct 2022 11:32

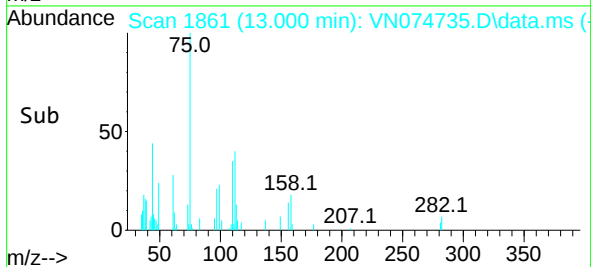
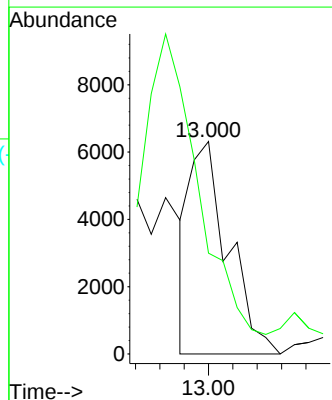
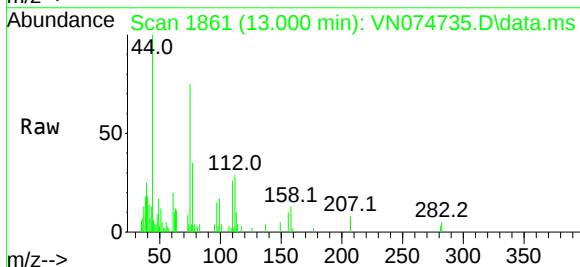
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC001

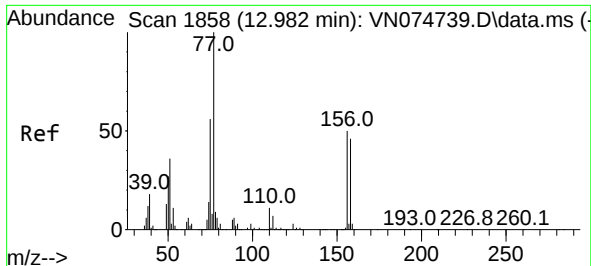
Tgt Ion: 83 Resp: 13525  
 Ion Ratio Lower Upper  
 83 100  
 131 5.4 4.3 12.8  
 85 57.9 32.9 98.6



#76  
 1,2,3-Trichloropropane  
 Concen: 0.784 ug/l  
 RT: 13.000 min Scan# 1861  
 Delta R.T. 0.006 min  
 Lab File: VN074735.D  
 Acq: 05 Oct 2022 11:32

Tgt Ion: 75 Resp: 6851  
 Ion Ratio Lower Upper  
 75 100  
 77 0.0 76.9 230.7#

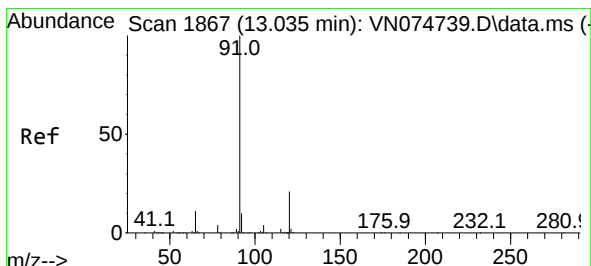
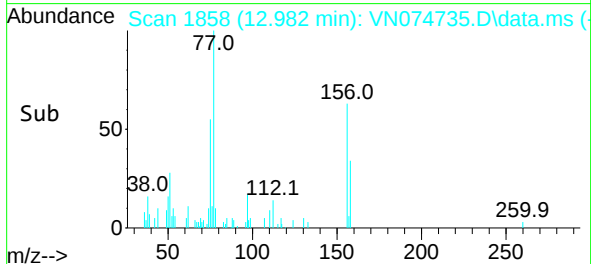
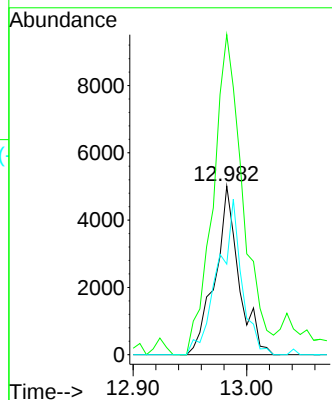
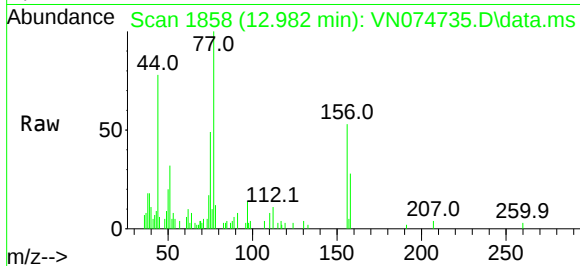




#77  
Bromobenzene  
Concen: 1.303 ug/l  
RT: 12.982 min Scan# 1858  
Delta R.T. 0.000 min  
Lab File: VN074735.D  
Acq: 05 Oct 2022 11:32

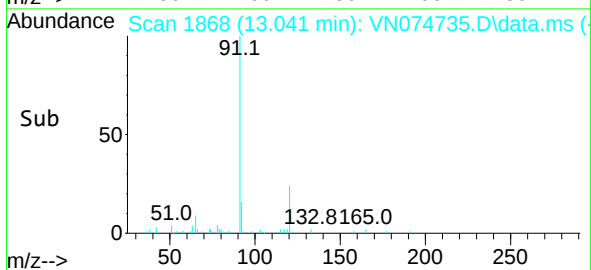
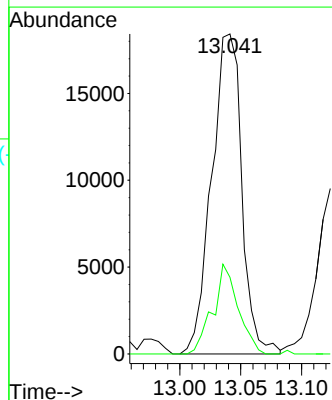
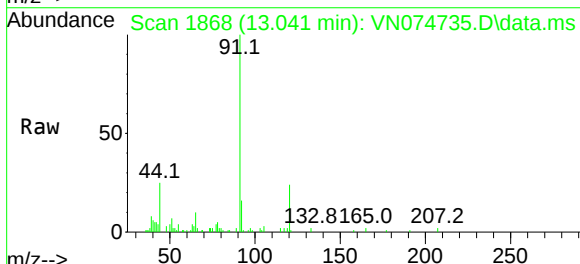
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC001

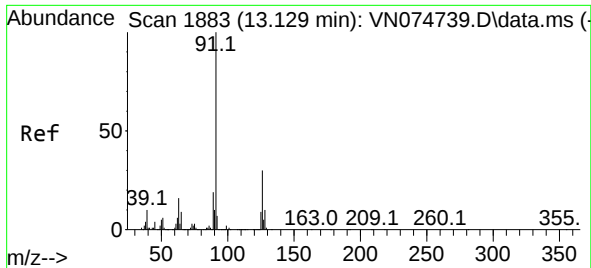
Tgt Ion:156 Resp: 7287  
Ion Ratio Lower Upper  
156 100  
77 238.9 124.7 374.1  
158 91.8 48.3 144.9



#78  
n-propylbenzene  
Concen: 1.017 ug/l  
RT: 13.041 min Scan# 1868  
Delta R.T. 0.006 min  
Lab File: VN074735.D  
Acq: 05 Oct 2022 11:32

Tgt Ion: 91 Resp: 31728  
Ion Ratio Lower Upper  
91 100  
120 23.6 10.8 32.4

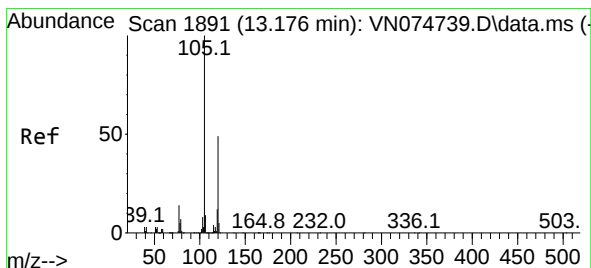
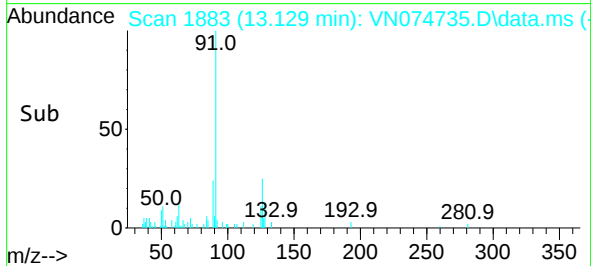
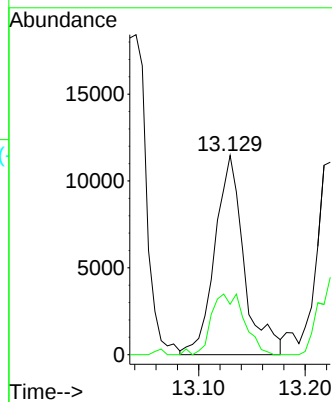
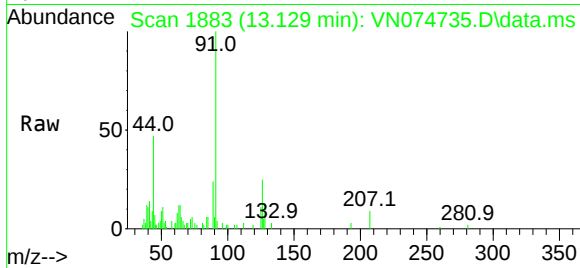




#79  
2-Chlorotoluene  
Concen: 1.155 ug/l  
RT: 13.129 min Scan# 1883  
Delta R.T. 0.000 min  
Lab File: VN074735.D  
Acq: 05 Oct 2022 11:32

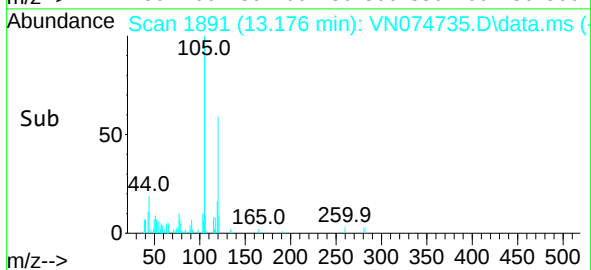
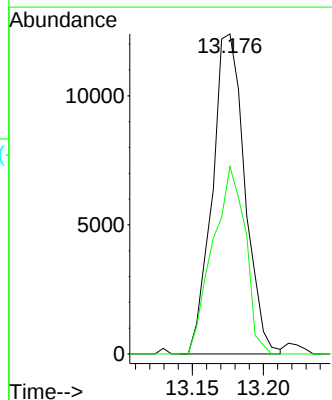
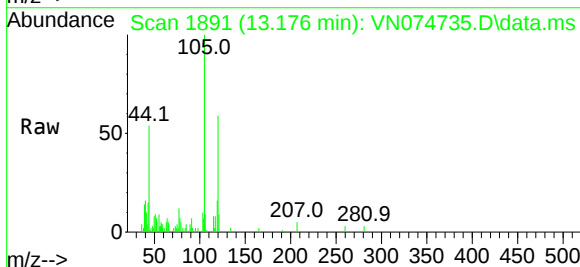
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC001

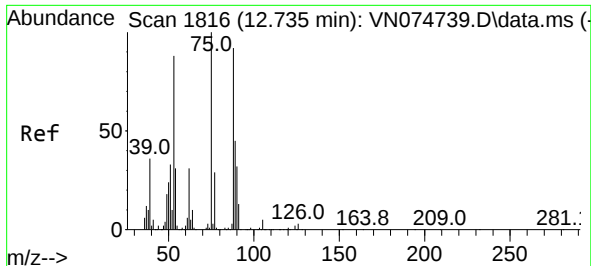
Tgt Ion: 91 Resp: 21840  
Ion Ratio Lower Upper  
91 100  
126 34.7 15.7 47.0



#80  
1,3,5-Trimethylbenzene  
Concen: 0.915 ug/l  
RT: 13.176 min Scan# 1891  
Delta R.T. -0.000 min  
Lab File: VN074735.D  
Acq: 05 Oct 2022 11:32

Tgt Ion: 105 Resp: 19743  
Ion Ratio Lower Upper  
105 100  
120 58.6 24.6 73.6

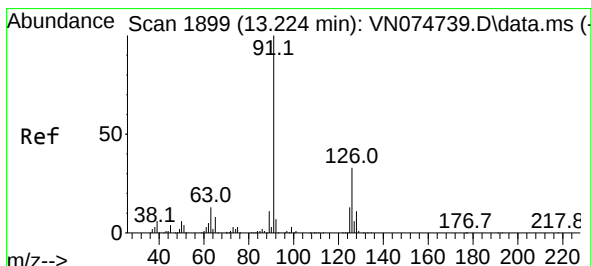
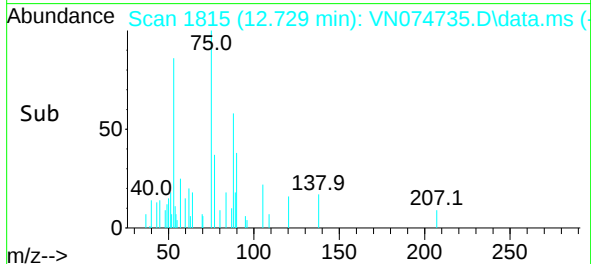
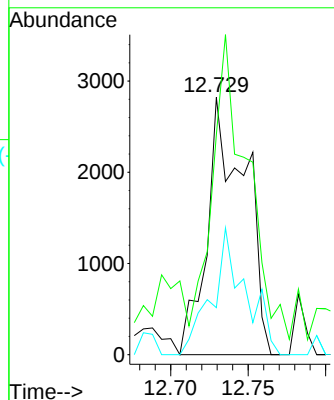
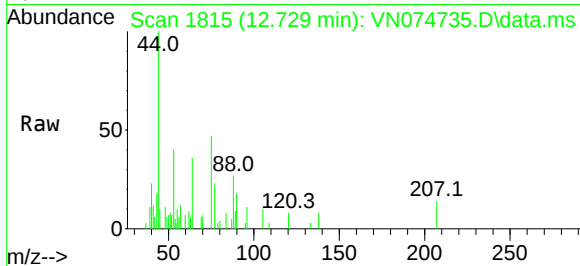




#81  
trans-1,4-Dichloro-2-butene  
Concen: 1.117 ug/l  
RT: 12.729 min Scan# 1815  
Delta R.T. -0.006 min  
Lab File: VN074735.D  
Acq: 05 Oct 2022 11:32

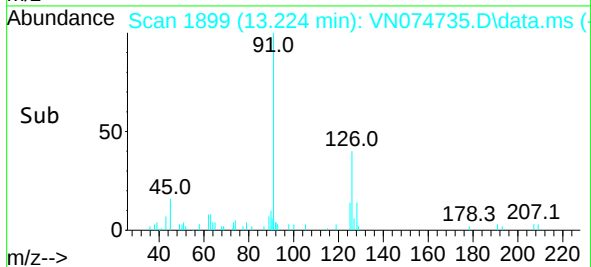
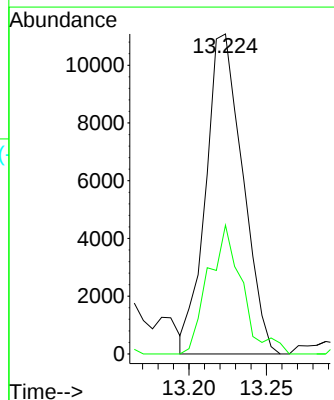
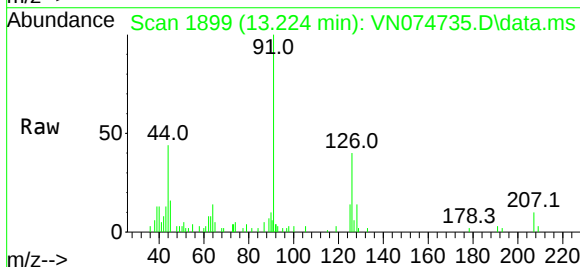
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC001

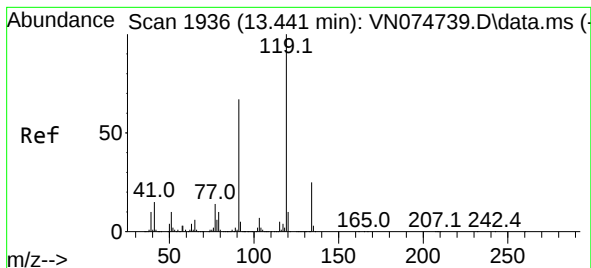
Tgt Ion: 75 Resp: 4813  
Ion Ratio Lower Upper  
75 100  
53 113.6 71.4 107.0#  
89 43.4 32.1 48.1



#82  
4-Chlorotoluene  
Concen: 1.048 ug/l  
RT: 13.224 min Scan# 1899  
Delta R.T. 0.000 min  
Lab File: VN074735.D  
Acq: 05 Oct 2022 11:32

Tgt Ion: 91 Resp: 18365  
Ion Ratio Lower Upper  
91 100  
126 36.9 16.4 49.2





#83

tert-Butylbenzene

Concen: 0.945 ug/l

RT: 13.441 min Scan# 1936

Delta R.T. 0.000 min

Lab File: VN074735.D

Acq: 05 Oct 2022 11:32

Instrument :

MSVOA\_N

ClientSampleId :

VSTDICC001

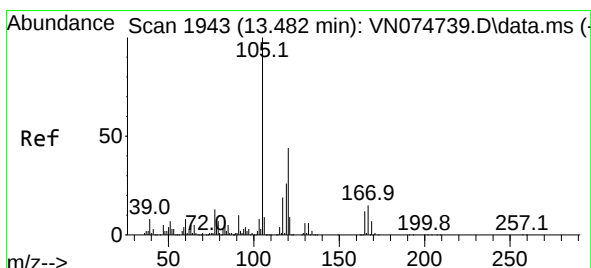
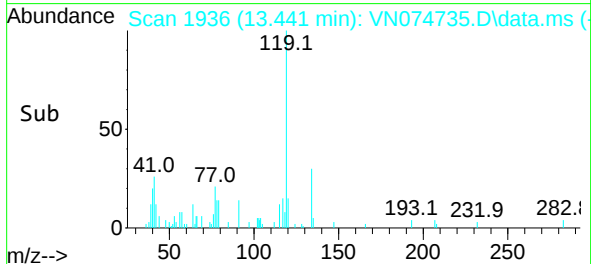
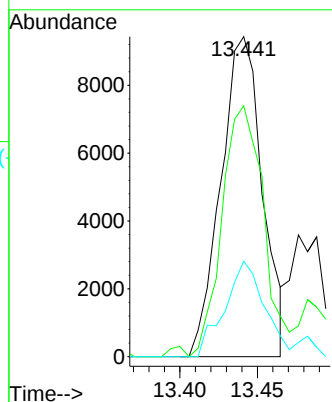
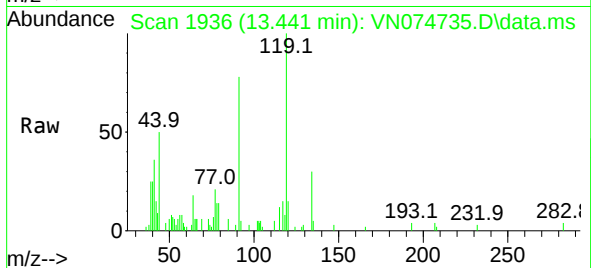
Tgt Ion:119 Resp: 17620

Ion Ratio Lower Upper

119 100

91 79.0 33.0 98.9

134 28.5 13.2 39.5



#84

1,2,4-Trimethylbenzene

Concen: 0.989 ug/l

RT: 13.482 min Scan# 1943

Delta R.T. 0.000 min

Lab File: VN074735.D

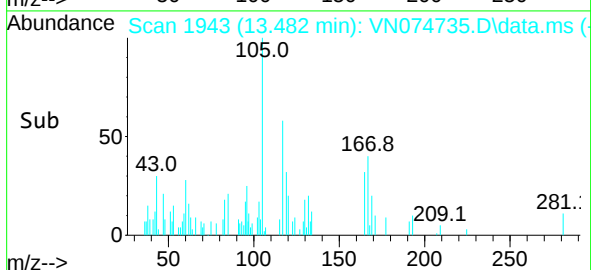
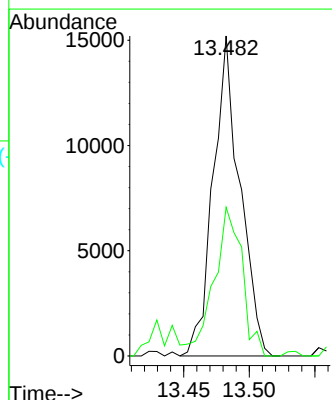
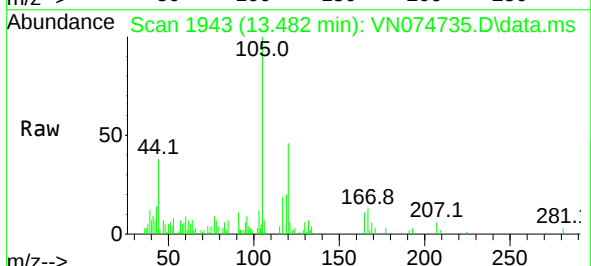
Acq: 05 Oct 2022 11:32

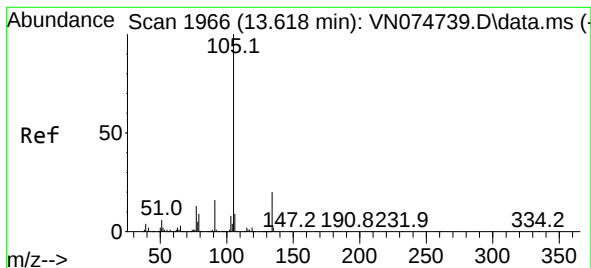
Tgt Ion:105 Resp: 21588

Ion Ratio Lower Upper

105 100

120 48.2 21.7 65.1





#85

sec-Butylbenzene

Concen: 0.943 ug/l

RT: 13.618 min Scan# 1966

Delta R.T. 0.000 min

Lab File: VN074735.D

Acq: 05 Oct 2022 11:32

Instrument :

MSVOA\_N

ClientSampleId :

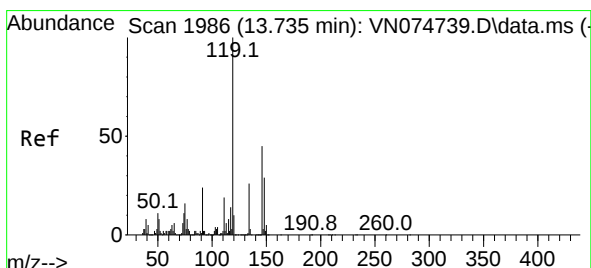
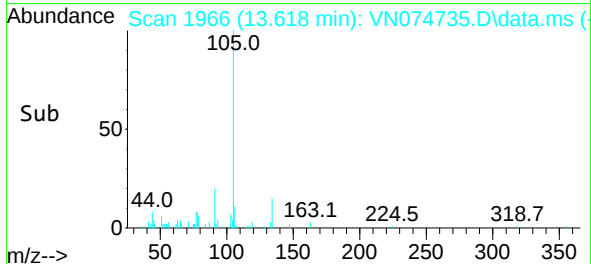
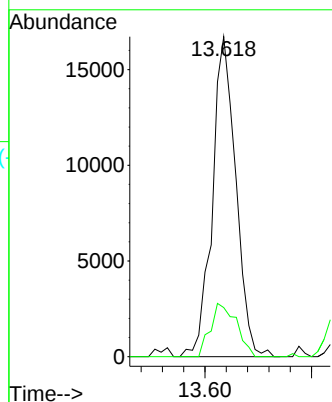
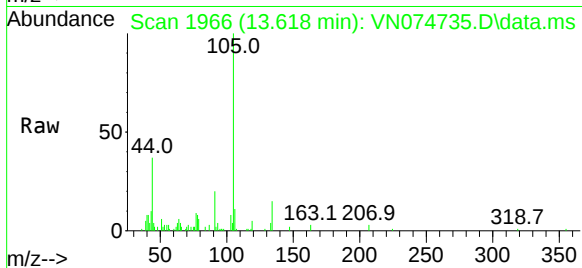
VSTDIC001

Tgt Ion:105 Resp: 25549

Ion Ratio Lower Upper

105 100

134 18.4 9.4 28.2



#86

p-Isopropyltoluene

Concen: 0.885 ug/l

RT: 13.735 min Scan# 1986

Delta R.T. 0.000 min

Lab File: VN074735.D

Acq: 05 Oct 2022 11:32

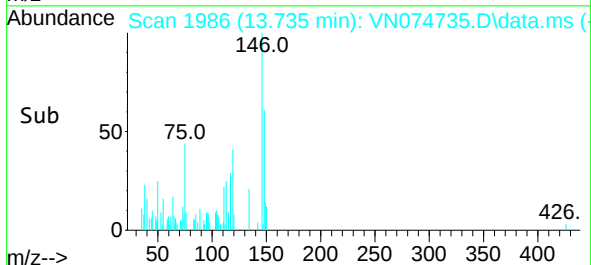
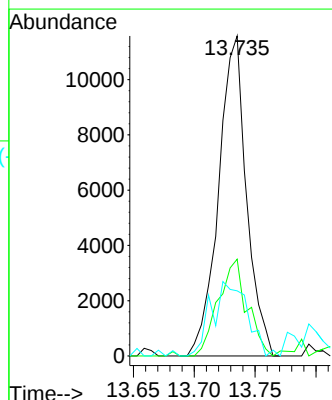
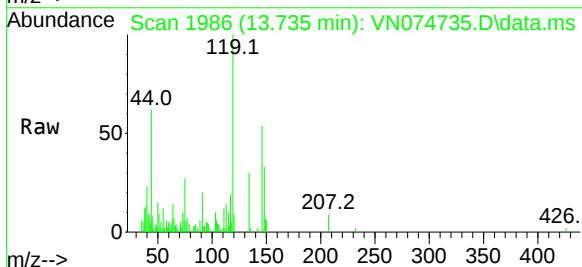
Tgt Ion:119 Resp: 18512

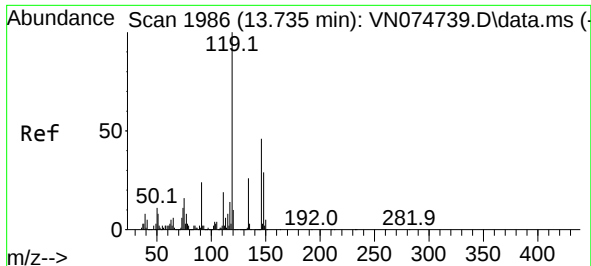
Ion Ratio Lower Upper

119 100

134 31.3 13.1 39.1

91 29.8 12.0 36.0

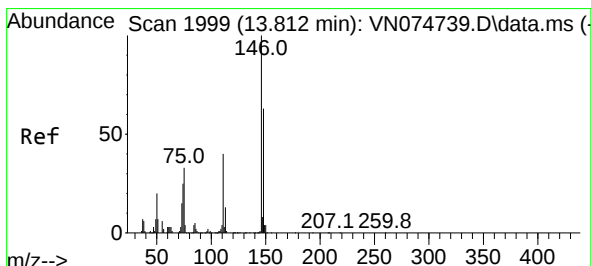
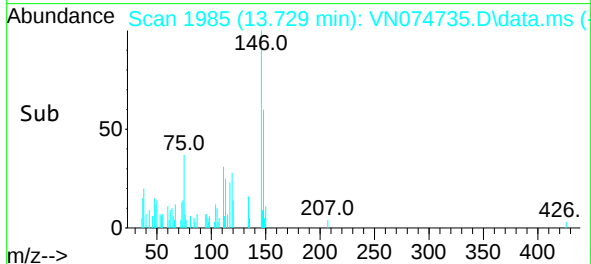
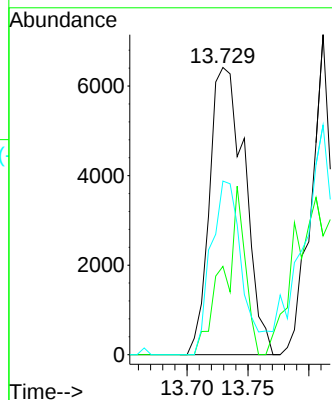
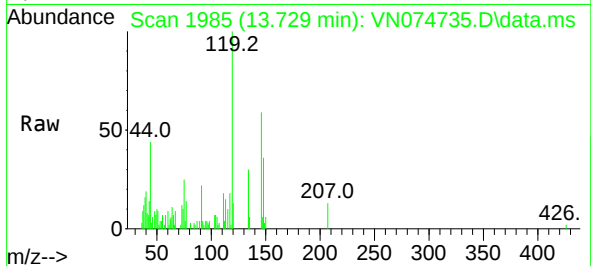




#87  
1,3-Dichlorobenzene  
Concen: 1.200 ug/l  
RT: 13.729 min Scan# 1985  
Delta R.T. -0.006 min  
Lab File: VN074735.D  
Acq: 05 Oct 2022 11:32

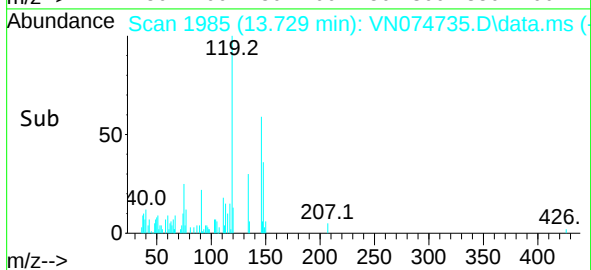
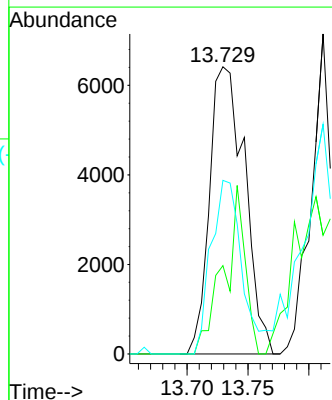
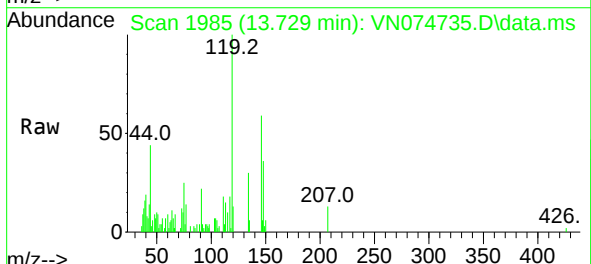
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC001

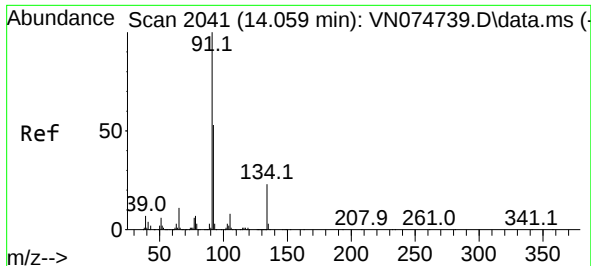
Tgt Ion:146 Resp: 12881  
Ion Ratio Lower Upper  
146 100  
111 35.6 20.8 62.2  
148 51.8 31.5 94.5



#88  
1,4-Dichlorobenzene  
Concen: 1.270 ug/l  
RT: 13.729 min Scan# 1985  
Delta R.T. -0.082 min  
Lab File: VN074735.D  
Acq: 05 Oct 2022 11:32

Tgt Ion:146 Resp: 12881  
Ion Ratio Lower Upper  
146 100  
111 35.6 19.9 59.6  
148 51.8 31.8 95.4

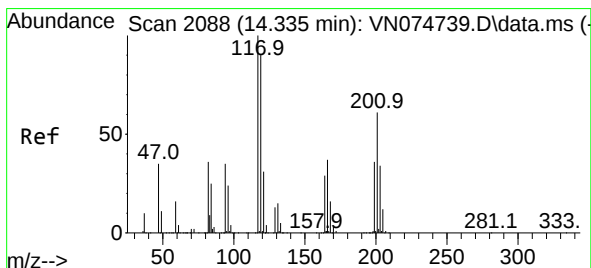
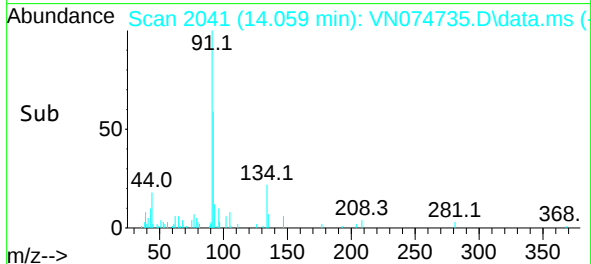
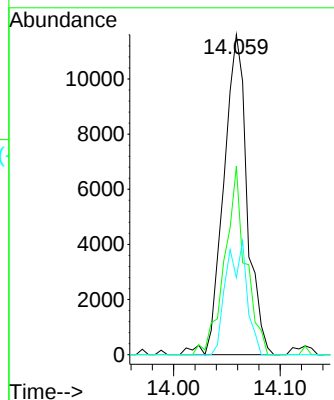
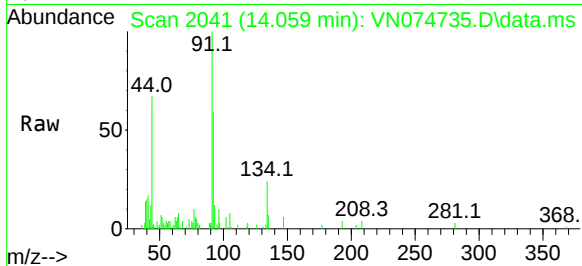




#89  
n-Butylbenzene  
Concen: 0.962 ug/l  
RT: 14.059 min Scan# 2041  
Delta R.T. 0.000 min  
Lab File: VN074735.D  
Acq: 05 Oct 2022 11:32

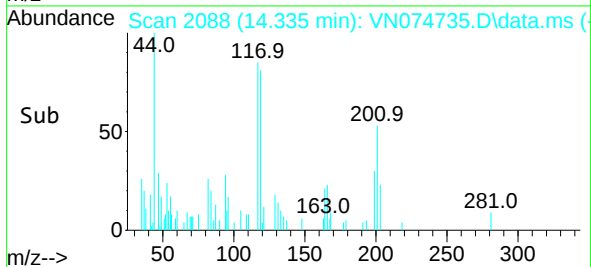
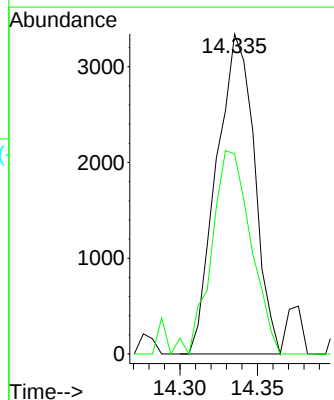
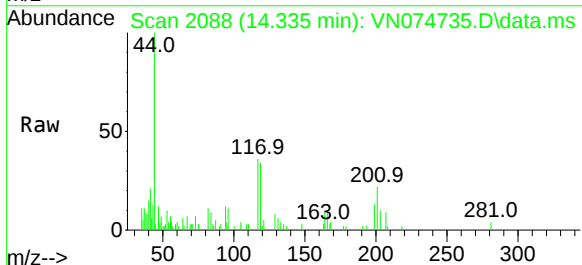
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC001

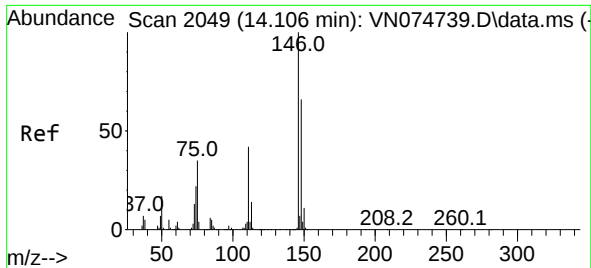
Tgt Ion: 91 Resp: 17737  
Ion Ratio Lower Upper  
91 100  
92 52.7 26.7 80.0  
134 31.1 11.9 35.5



#90  
Hexachloroethane  
Concen: 1.209 ug/l  
RT: 14.335 min Scan# 2088  
Delta R.T. 0.000 min  
Lab File: VN074735.D  
Acq: 05 Oct 2022 11:32

Tgt Ion: 117 Resp: 5656  
Ion Ratio Lower Upper  
117 100  
201 65.4 30.3 90.8

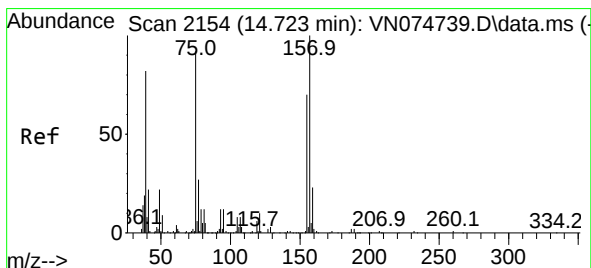
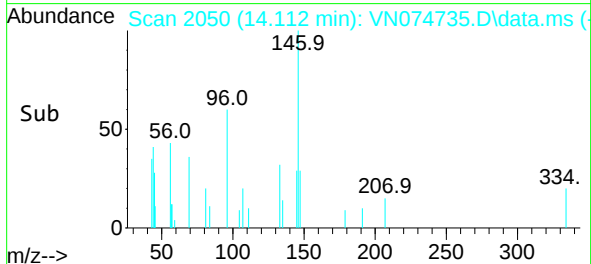
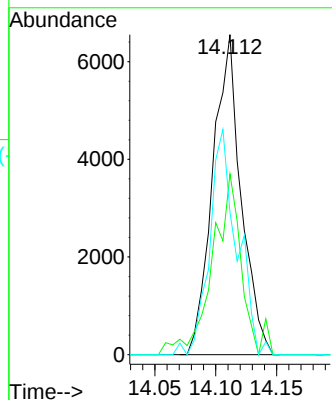
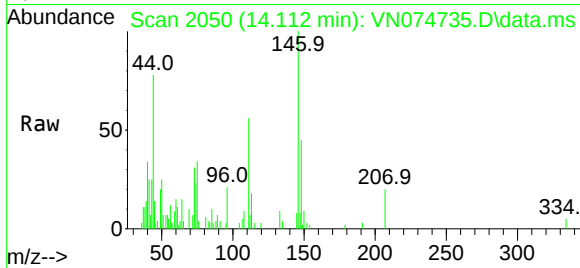




#91  
1,2-Dichlorobenzene  
Concen: 1.029 ug/l  
RT: 14.112 min Scan# 2049  
Delta R.T. 0.006 min  
Lab File: VN074735.D  
Acq: 05 Oct 2022 11:32

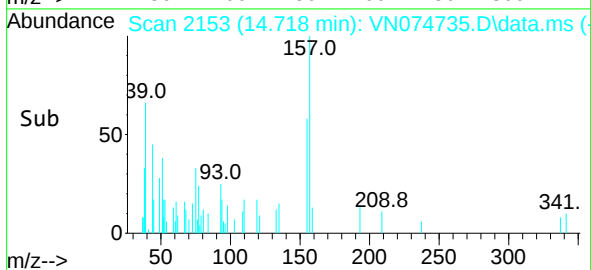
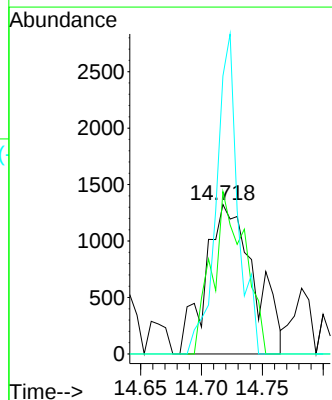
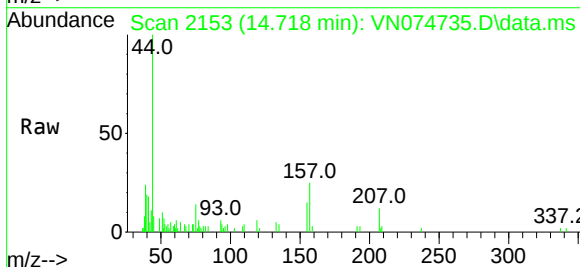
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC001

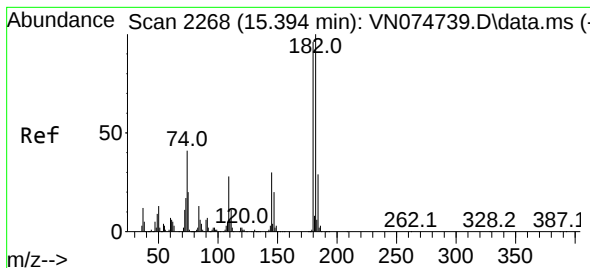
Tgt Ion:146 Resp: 10637  
Ion Ratio Lower Upper  
146 100  
111 55.7 21.5 64.5  
148 67.9 31.9 95.9



#92  
1,2-Dibromo-3-Chloropropane  
Concen: 1.621 ug/l  
RT: 14.718 min Scan# 2153  
Delta R.T. -0.006 min  
Lab File: VN074735.D  
Acq: 05 Oct 2022 11:32

Tgt Ion: 75 Resp: 3661  
Ion Ratio Lower Upper  
75 100  
155 73.5 40.3 120.8  
157 96.6 51.3 153.9





#93

1,2,4-Trichlorobenzene

Concen: 1.025 ug/l

RT: 15.382 min Scan# 21

Delta R.T. -0.012 min

Lab File: VN074735.D

Acq: 05 Oct 2022 11:32

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC001

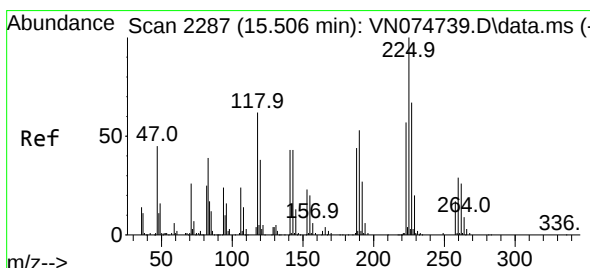
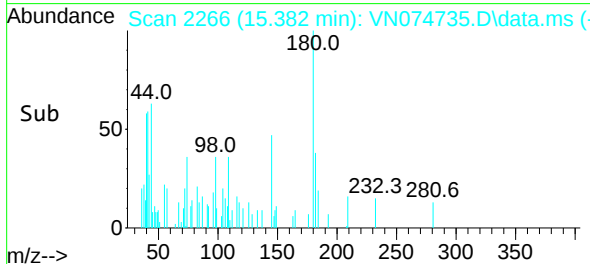
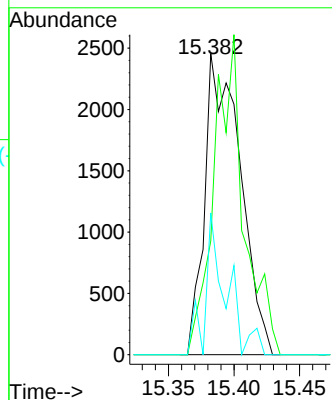
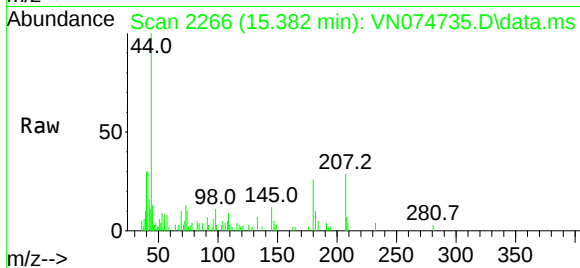
Tgt Ion:180 Resp: 4636

Ion Ratio Lower Upper

180 100

182 89.3 48.5 145.5

145 28.0 16.1 48.3



#94

Hexachlorobutadiene

Concen: 1.060 ug/l

RT: 15.506 min Scan# 2287

Delta R.T. 0.000 min

Lab File: VN074735.D

Acq: 05 Oct 2022 11:32

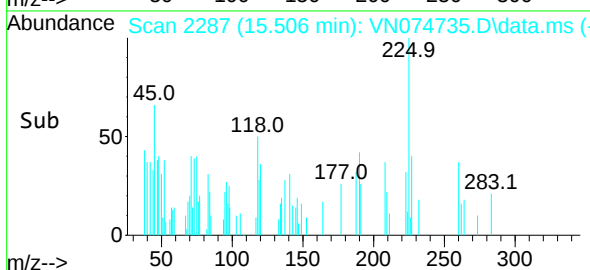
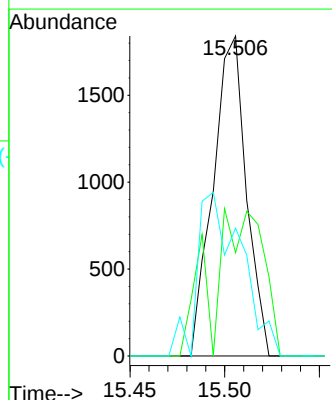
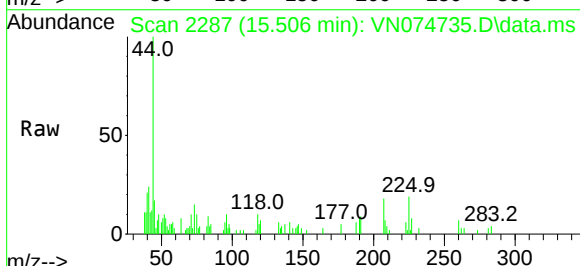
Tgt Ion:225 Resp: 2243

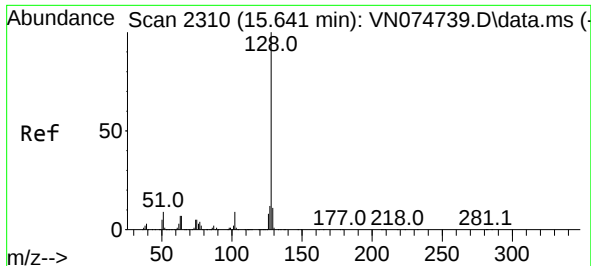
Ion Ratio Lower Upper

225 100

223 54.9 31.7 95.1

227 67.7 31.2 93.6

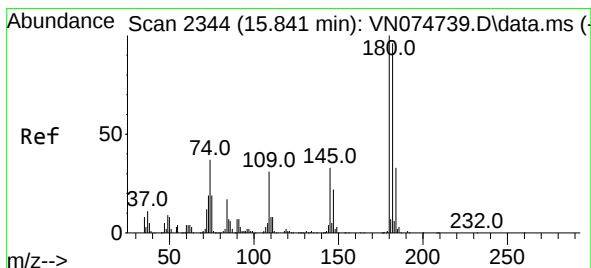
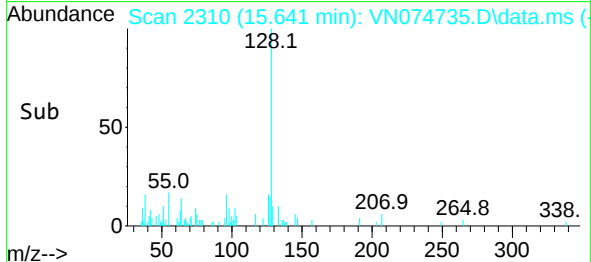
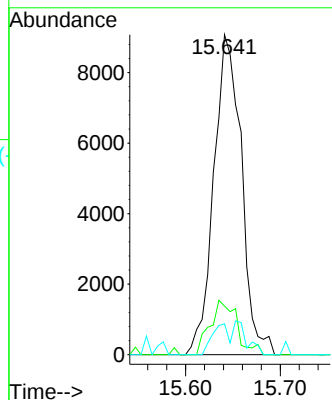
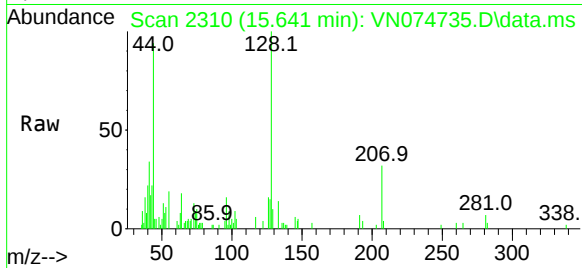




#95  
Naphthalene  
Concen: 0.940 ug/l  
RT: 15.641 min Scan# 2310  
Delta R.T. 0.000 min  
Lab File: VN074735.D  
Acq: 05 Oct 2022 11:32

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC001

Tgt Ion:128 Resp: 18382  
Ion Ratio Lower Upper  
128 100  
127 16.5 10.2 15.2#  
129 5.7 9.0 13.4#



#96  
1,2,3-Trichlorobenzene  
Concen: 1.359 ug/l  
RT: 15.841 min Scan# 2344  
Delta R.T. 0.000 min  
Lab File: VN074735.D  
Acq: 05 Oct 2022 11:32

Tgt Ion:180 Resp: 6602  
Ion Ratio Lower Upper  
180 100  
182 71.5 47.3 142.0  
145 29.6 17.1 51.2

